Appendix 1.0

Initial Study, Notice of Preparation, and Comment Letters

Appendix 1.0-1

Initial Study, Notice of Preparation, and Comment Letters

Prepared by

Kimley»Horn

Expect More. Experience Better.

Initial Study

Artesia Place Project
(Artesia Boulevard Corridor Specific Plan Case No. 2022-13)

Prepared for:

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Artesia, California 90701
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August 2022

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1.0 INTRODUCTION

1.1 STATUTORY AUTHORITY AND REQUIREMENTS

This Initial Study has been conducted in accordance with the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] §21000 et seq.) and the State CEQA Guidelines (California Code of Regulations [CCR], Title 14, §15000 et seq.). Pursuant to State CEQA Guidelines §15063, this Initial Study has been conducted to determine if the proposed Artesia Place Project ("Project") would have a significant effect on the environment. The Project site consists of an approximately 3.3-acre parcel located at 11709 Artesia Boulevard and an approximately 0.23-acre parcel located at 17212 Alburtis Avenue, in the City of Artesia ("City"), California. The Project proposes to construct up to 8,650 square feet (SF) of commercial uses and 80 dwelling units (DU), at a density of approximately 23.2 dwelling units per acre (DU/ac). The Project includes approximately 40,265 SF of open space, a 462-SF pool building, 218 vehicle parking spaces, and 40 bicycle parking spaces. The requested approvals include: a General Plan Amendment; a Zoning Code Text Amendment to amend the ABCSP to permit residential uses, establish a maximum allowable development within the Project site, and amend the ABCSP's Design Standards and Guidelines (among other chapters); Design Review; Development Agreement; Vesting Tentative Tract Map No. 83834; and the CEQA EIR certification.

State CEQA Guidelines §15063(b) states that if the Lead Agency determines that there is substantial evidence that any aspect of a project, either individually or cumulatively, may cause a significant effect on the environment, the Lead Agency shall prepare an Environmental Impact Report (EIR), use a previously prepared EIR, or determine, which of a project's effects were adequately examined by an earlier EIR or Negative Declaration (ND). Conversely, the Lead Agency shall prepare a ND if there is no substantial evidence that the project or any of its aspects may cause a significant effect on the environment.

Pursuant to State CEQA Guidelines §15063(c), the purposes of an Initial Study are to:

- Provide the Lead Agency with information to use as the basis for deciding whether to prepare an EIR or a ND;
- Enable an applicant or Lead Agency to modify a project, mitigating adverse impacts before an EIR is prepared, thereby enabling the project to qualify for a ND;
- Assist in the preparation of an EIR, if one is required;
- Facilitate environmental assessment early in the design of a project;
- Provide documentation of the factual basis for the finding in a ND that a project will not have a significant effect on the environment;
- Eliminate unnecessary EIRs; and
- Determine whether a previously prepared EIR could be used with the project.

This Initial Study is intended to be used as a decision-making tool for the Lead Agency and responsible agencies in considering and acting on the proposed Project. Responsible agencies would comply with CEQA by considering this environmental analysis for discretionary actions associated with Project implementation, if any.

State CEQA Guidelines §15063(g) specifies that as soon as a Lead Agency has determined that an Initial Study will be required for a project, the Lead Agency shall consult informally with all Responsible Agencies and all Trustee Agencies responsible for resources affected by the project to obtain their recommendations as to whether an EIR, Mitigated Negative Declaration (MND), or ND should be prepared.

1.2 SUMMARY OF FINDINGS

Pursuant to State CEQA Guidelines §15367, the City, as the Lead Agency, has the authority for environmental review and adoption of the environmental documentation, in accordance with CEQA. This Initial Study evaluated the environmental issues outlined in **Section 3.1: Environmental Factors Potentially Affected**. It provides decision-makers and the public with information concerning the Project's potential environmental effects.

Based on the Environmental Checklist Form and supporting environmental analysis, the Project would have no impact or a less than significant impact concerning all environmental issue areas, except the following, for which the Project would have a potentially significant impact:

- Air Quality
- Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Mandatory Findings of Significance

As set forth in State CEQA Guidelines §15081, the decision to prepare an EIR will be made either during preliminary review under State CEQA Guidelines §15060 or at the conclusion of an Initial Study after applying the standards described in State CEQA Guidelines §15064. On the basis of this initial evaluation, the Lead Agency has found that the proposed Project may have a significant effect on the environment and an EIR will be prepared to evaluate the Project's potentially significant impacts concerning the resource areas identified above.

1.3 INITIAL STUDY PUBLIC REVIEW PROCESS

In accordance with State CEQA Guidelines §15375, the City distributed a Notice of Preparation (NOP) to notify the responsible agencies, the Office of Planning and Research (OPR), and involved federal agencies that the City (i.e., Lead Agency) plans to prepare an EIR for the Project. The

NOP's purpose is to solicit guidance from those agencies as to the scope and content of the environmental information to be included in the EIR.

Within 30 days after receiving the NOP, each responsible agency and OPR are required to provide the Lead Agency with specific details about the scope and content of the environmental information related to the responsible or trustee agency's area of statutory responsibility that must be included in the Draft EIR. During the 30-day public review period, the NOP/Initial Study were made available for review on the City of Artesia website, at https://cityofartesia.us/336/Community-Development, and by request at the Community Development Department – please contact Okina Dor, Community Development Director, at 562.865.6262 Ext 227 or via email at Planning@cityofartesia.us. Written responses to the NOP/comments on this Initial Study may be sent to:

Okina Dor, Community Development Director
City of Artesia, Community Development Department
18747 Clarkdale Avenue
Artesia, California 90701
Email: Planning@cityofartesia.us

Please include in the subject matter line "Artesia Place Project (ABCSP Amendment) NOP/IS Comment." Additionally, please note that email is the preferred method.

1.4 REPORT ORGANIZATION

This document has been organized into the following sections:

Section 1.0 – Introduction. This section provides a Project introduction and overview, cites the CEQA Statute and Guidelines provisions to which the proposed Project is subject, and summarizes the Initial Study's conclusions.

Section 2.0 – Project Description. This section identifies the Project site location, environmental setting, characteristics, discretionary actions, construction program, phasing, agreements, and required permits and approvals. This Section also identifies the Initial Study's intended uses, including a list of anticipated permits and other approvals.

Section 3.0 – Initial Study Checklist. The Environmental Checklist Form provides an overview of the potential impacts that may or may not result from Project implementation.

Section 4.0 – Environmental Analysis. This section contains an analysis of environmental impacts identified in the environmental checklist.

Section 5.0 – References. This section identifies resources used to prepare the Initial Study.

2.0 PROJECT DESCRIPTION

2.1 PROJECT LOCATION

The Project site is in the City of Artesia, approximately 14 miles southeast of downtown Los Angeles; see **Figure 2-1: Regional Vicinity Map**. The Project site consists of two parcels: Assessor Parcel Number (APN) 7035-016-064 is 3.3 acres in size and located at 11709 Artesia Boulevard; and APN 7035-020-056 is 0.23 acre in size and located at 17212 Alburtis Avenue; see **Figure 2-2: Site Vicinity Map**. The Project site is generally bound by industrial uses on the north, Artesia Boulevard on the south, Alburtis Avenue and an active concrete batch plant on the east, and Flallon Avenue on the west.

The Project site is at the northeast portion of the 21-acre ABCSP area, which extends along Artesia Boulevard, generally between Corby Avenue on the east and Gridley Road on the west. As shown in **Figure 2-3: Project Site Boundary Within ABCSP**, the Project site is at the eastern extent of ABCSP's Quadrant 2, which is comprised of approximately 6.0 acres located north of Artesia Boulevard between Alburtis Avenue on the east and Roseton Avenue on the west. Two major freeways provide regional access to the Project site: Artesia Freeway (SR-91) to the north; and Interstate 605 (I-605) to the west. From SR-91, access to the Project site is provided via Pioneer Boulevard, which is east of the Project site. From I-605, local access to the Project site is provided via Artesia Boulevard, which bisects the ABCSP area. Artesia Boulevard is a four-lane divided arterial roadway oriented east-west through the ABCSP area. Local access is also provided via Pioneer Boulevard, which is a four-lane arterial oriented north-south to the west of the Project site.

2.2 ENVIRONMENTAL SETTING

The City encompasses approximately 1.6 square miles in southeast Los Angeles County. The City is a suburban jurisdiction with a mix of residential densities, although low-density residential uses predominate. The City also contains a mix of retail commercial, office, and industrial uses.

The ABCSP area is designated Gateway Community Commercial, except two parcels southeast of the Roseton Avenue at Artesia Boulevard intersection (within ABCSP's Quadrant 4), which are designated Low Density Residential.[1] The Gateway Community Commercial designation provides for a complementary mix of job-creating industrial, manufacturing uses, and local/regional-serving commercial retail and office uses.[2] The Low Density Residential designation, which is the City's predominant land use designation, is characterized by single-family, detached units.[3]

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[1] City of Artesia. (2010). *City of Artesia General Plan 2030*. Exhibit LU-3: General Plan 2030 Land Use. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.

[2] City of Artesia. (2010). *City of Artesia General Plan 2030*. Land Use Sub-Element. Page LU-10. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.

[3] City of Artesia. (2010). *City of Artesia General Plan 2030*. Land Use Sub-Element. Page LU-9. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.

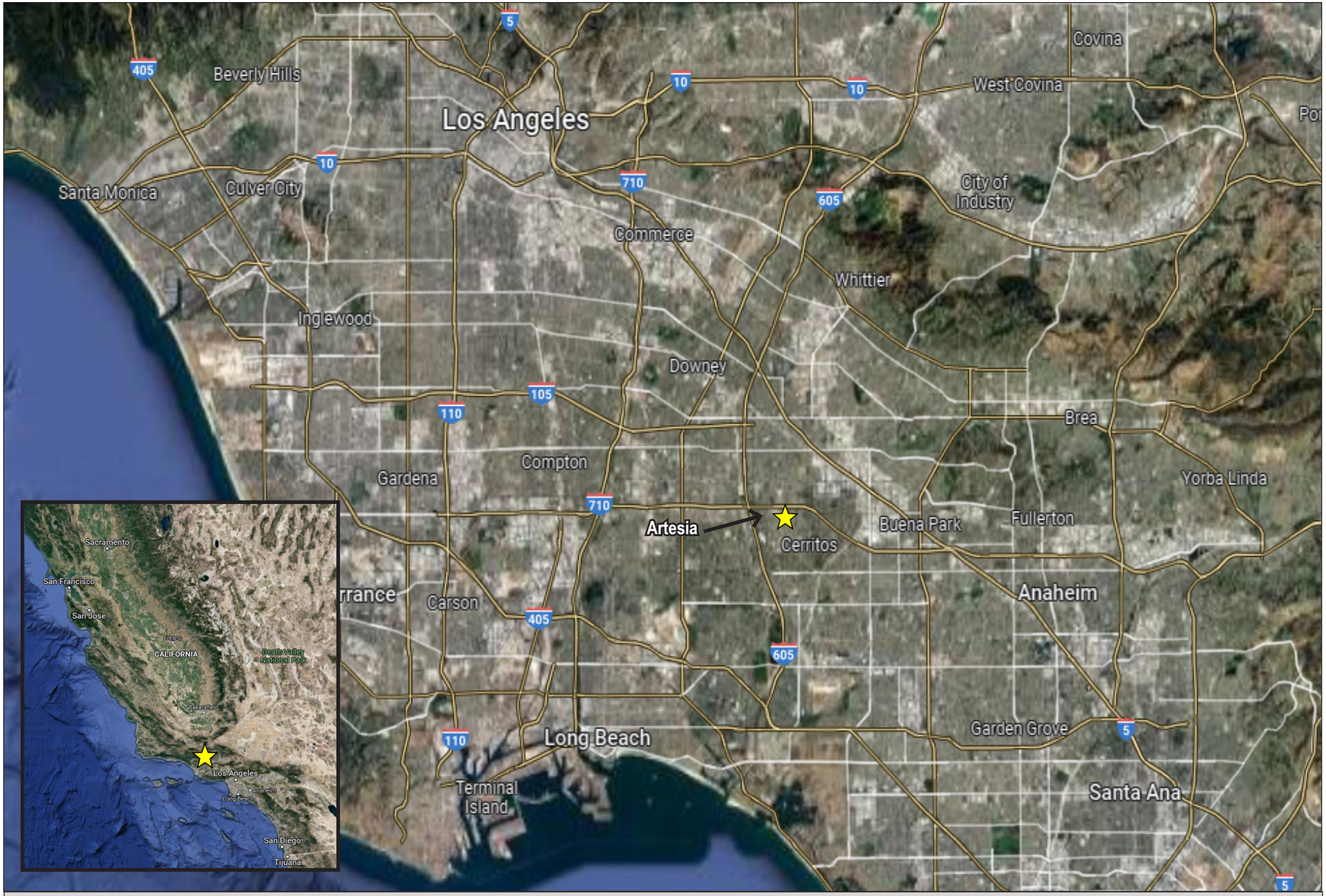

FIGURE 2-1: REGIONAL VICINITY MAP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

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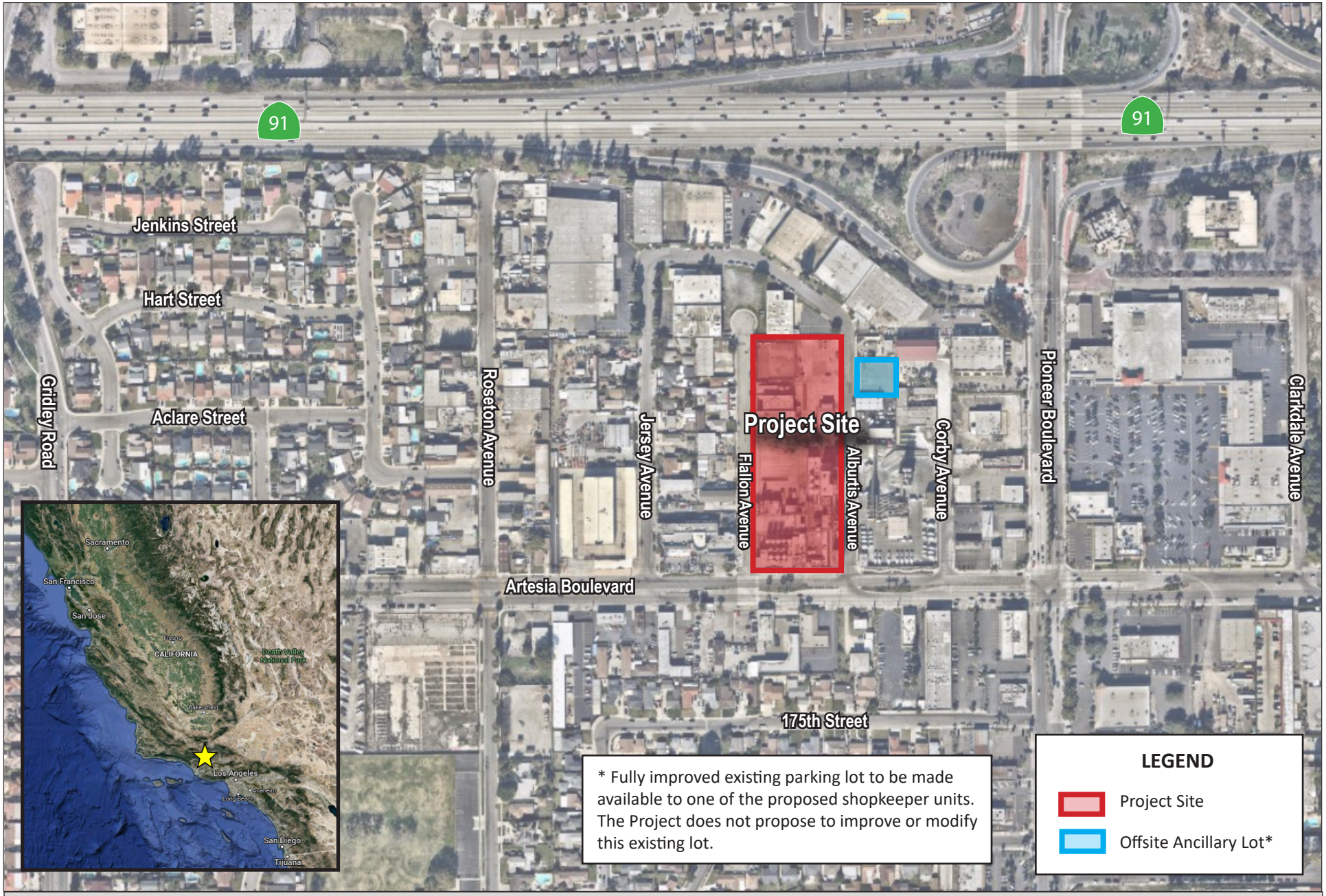

FIGURE 2-2: LOCAL VICINITY MAP

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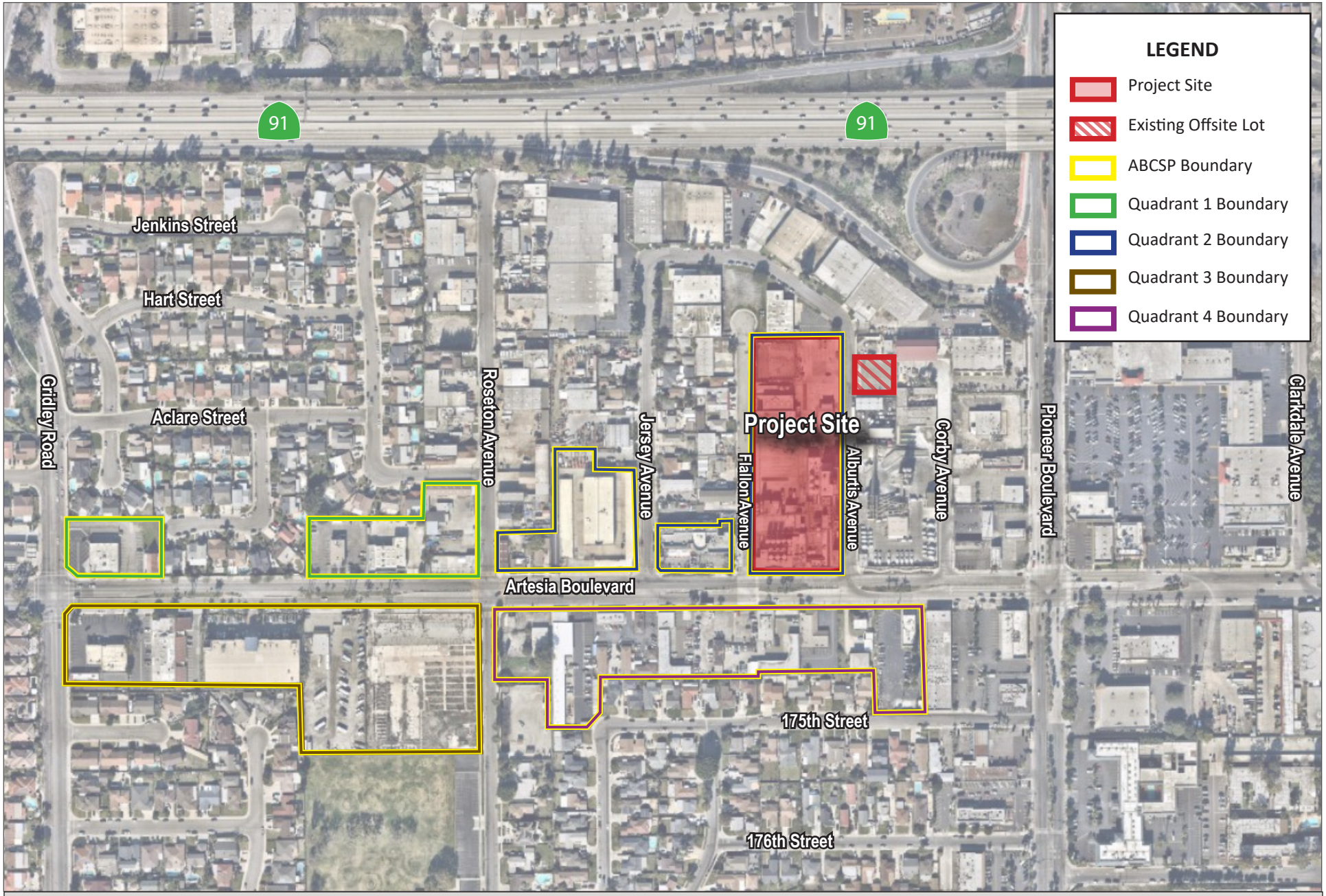

FIGURE 2-3: PROJECT SITE BOUNDARY WITHIN ABCSP

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As noted above, the Project site is in ABCSP Quadrant 2. Quadrant 2 is comprised of five parcels with four unique landowners. Quadrant 2 supports a variety of commercial, retail, and industrial uses. Existing uses include a Public Storage complex, a small industrial building, and a retail center that was redeveloped in 2004. The Project site comprises the eastern portion of Quadrant 2.

2.2.1 Existing General Plan and Zoning

The Project site is designated Gateway Community Commercial.[4] As noted above, Gateway Community Commercial designation provides for a complimentary mix of job-creating industrial and manufacturing uses, and local/regional-serving commercial retail and office uses.

The City's Zoning Map classifies the Project site as Artesia Boulevard Corridor Specific Plan (ABCSP).[5] The ABCSP establishes the City's vision for a 21-acre area along Artesia Boulevard, between Gridley Road and Pioneer Boulevard. For Quadrant 2, the City's primary goal is to establish a retail, commercial, and industrial center.

2.2.2 Onsite Land Uses

The Project site is currently vacant. California Dairies, Inc., a dairy manufacturing plant totaling approximately 27,290 gross SF, occupied the Project site until it was demolished in 2022. All existing onsite utility connections remain capped and abandoned onsite.

2.2.3 Surrounding Land Uses

The Project site is generally surrounded by residential, business park, commercial, and light industrial land uses, as well as an active concrete batch plant. Land uses and corresponding zoning districts bordering the Project site are summarized in **Table 2-1: Onsite and Surrounding Land Uses and Zoning**.

4 City of Artesia. (2010). *City of Artesia General Plan 2030*. Exhibit LU-3: General Plan 2030 Land Use. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.

5 City of Artesia. (2019). *Zoning Map*. https://www.cityofartesia.us/DocumentCenter/View/1877/Zoning-Map-January-7-2019?bidId=.

TABLE 2-1: ONSITE AND SURROUNDING LAND USES AND ZONING		
Description	**Existing Land Use**	**Zoning[1]**
Project Site	Vacant and a 0.2-acre fully-improved parking lot (34 spaces) that historically served as overflow parking for the dairy manufacturing plant that previously occupied the Project site	Artesia Boulevard Corridor Specific Plan (ABCSP)
North	Industrial	Light Manufacturing and Industrial (M-1)
South	Residential and Commercial	ABCSP and Single-Family Residential (R-1)
East	Residential, Commercial, and Industrial	Heavy Manufacturing and Industrial and Artesia Boulevard Specific Plan
West	Industrial	M-1 and ABCSP

Notes:
1. City of Artesia. (2019). *Zoning Map*. https://www.cityofartesia.us/DocumentCenter/View/1877/Zoning-Map-January-7-2019?bidId=.
2. California Dairies, Inc. (2020). *California Dairies, Inc Announces Closure of its Artesia Manufacturing Facility*. https://www.californiadairies.com/news/california-dairies-inc-announces-closure-its-artesia-manufacturing-facility.

2.3 BACKGROUND AND HISTORY

The Project site was formerly developed with a circa 1958 dairy manufacturing plant (California Dairies, Inc.) totaling approximately 27,290 gross SF and associated surface parking lot. The plant, which has been closed since approximately June 2020, was demolished in 2022.

As discussed above, the Project site comprises the eastern portion of ABCSP's Quadrant 2. As stated in the ABCSP, the City's primary goal for Quadrant 2 is to establish a retail, commercial, and industrial center. This mix of business uses is intended to allow for flexibility while maintaining compatibility with the existing commercial and industrial uses located to the north and east. To facilitate the incorporation of commercial, retail, and industrial businesses in Quadrant 2, no residential uses shall be permitted within Quadrant 2.[6]

On June 15, 2022, the Project Applicant submitted their Design Review and Vesting Tentative Tract Map Application to the City's Community Development Department Planning Division for a mixed-use development comprised of 80 DU and approximately 8,650 SF of commercial uses on the Project site. The City deemed the application complete on June 21, 2022. Upon initial Project review, the City confirmed the proposed development's residential component was not permitted in Quadrant 2. The ABCSP specifies the following concerning permitted land uses in Quadrant 2: "For Quadrant 2 the City's primary goal is to establish a retail, commercial, and industrial center…no residential uses shall be permitted within this quadrant."[7] The ABCSP specifies that land use changes constitute a Major Modification, thus, require an amendment to the ABCSP.

[6] City of Artesia. (2011). *Artesia Boulevard Corridor Specific Plan*. Page 42.

[7] City of Artesia. (2011). *Artesia Boulevard Corridor Specific Plan*. Page 42.

That ABCSP Amendment and the proposed development, among other elements, are collectively referred to as the "Project" subject of this Initial Study and the forthcoming EIR.

2.4 PROJECT CHARACTERISTICS

2.4.1 Project Overview

The Project proposes the construction and operation of a mixed-use development comprised of 80 DU and approximately 8,650 SF of commercial uses, as described below. To allow the proposed development, the Applicant proposes to amend the ABCSP. The proposed Zoning Code Text Amendment would amend the ABCSP to permit residential uses on the Project site, establish a maximum allowable development within the Project site, and amend the ABCSP's Design Standards and Guidelines (among other chapters). In addition to the Zoning Code Text Amendment, the Project seeks approval of the following entitlements: General Plan Amendment; Design Review; Development Agreement; Vesting Tentative Tract Map No. 83834; and CEQA EIR certification. These requested approvals, which are collectively referred to as the "Project," are further described below.

2.4.2 Conceptual Site Plan

The Project would construct a mixed-use development generally comprised of two portions – a commercial portion and a residential portion – connected by pedestrian walkways. **Figure 2-4: Conceptual Site Plan**, depicts the proposed land plan. In total, the Project proposes approximately 8,650 SF of commercial uses and 80 DU, including the components described below. The proposed land uses would be developed at a density of 23.2 DU/ac.

- One building with approximately 2,700 SF of commercial uses;
- One mixed-use building with approximately 3,450 SF of commercial uses on the ground level with 4 carriage-type townhome units above;
- Eight shopkeeper units – commercial condominiums totaling 2,500 SF on the ground level with townhomes above;
- 9 live/work townhome units; and
- 59 three-story townhome units.

The Project is designed to be a mixed-use, pedestrian-oriented placemaking development with various commercial opportunities. The buildings are linked by a central pedestrian walkway through a series of landscaped courtyards. The Project site is divided into two portions: the northern portion is bisected by the central pedestrian walkway, pool, and pool building and consists of traditional paseo Rowtown residential clustering around a recreation area; and the southern portion fronting Artesia Boulevard consists of the urban commercial mixed-use buildings.

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FIGURE 2-4: CONCEPTUAL SITE PLAN

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

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The Project proposes a total of 40,265 SF of open space and a 462-SF pool building; see **Table 2-2: Open Spaces and Amenities**.

TABLE 2-2: OPEN SPACES AND AMENITIES	
Open Space	**Amount (SF)**
Common Residential: Common Green	6,679
Common Residential: Paseos	12,428
Private Residential: Decks	5,160
Live/work Mall Terrace	4,288
Retail Plaza and Courts	11,248
Pool Building	462
Total	***40,265***

2.4.3 Architecture

As noted above, the Project site is divided into the traditional paseo Rowtown residential clustering around a recreation area at the site's northern portion and the urban commercial mixed-use buildings at the site's southern portion fronting onto Artesia Boulevard. The Project is designed for a gradual transition of building types. The single-story "Main Street" style sidewalk retail shops are backed by a California-style courtyard with storefronts and newsstand kiosks. The shopkeeper units gradually transition to smaller shops.

The architecture contains a blend of modern styles. Midcentury detailing is consistent with shades of neutral colors and enriched material selections, including linear "wood" sidings, stone veneers, light color plaster, and dark window frames. The commercial, shopkeeper, and live/work units have a "weathered" antique white brick veneer to differentiate from the modern elements of the residential units. The white brick, dark window frames, and accent-colored front doors mimic modernized, repurposed, and renovated historic buildings.

2.4.4 Parking, Access, Circulation

PARKING

Onsite Parking. Pursuant to Artesia Municipal Code (AMC) §9-2.1103: Parking Spaces Required, the Project would require 214 vehicle parking spaces to meet the parking demand generated by the proposed land uses. The Project proposes 216 vehicle parking spaces, as follows: for the residential uses, two spaces per garage for a total of 160 spaces and 20 guest spaces; and 36 parking spaces for the commercial uses (i.e., the livework/shopkeeper units and retail uses).

Offsite (Onstreet) Parking. The Project would also provide 20 offsite onstreet parking spaces (parallel and perpendicular) along Flallon Avenue and Alburtis Avenue. These offsite onstreet spaces are not proposed to meet the Project's parking demand (as described), but are instead proposed by the Applicant as a community benefit.

Offsite (Vehicle Storage). The fully improved, existing 0.2-acre parking lot located at 17212 Alburtis Avenue would be made available to one of the eight proposed shopkeeper units for vehicle storage purposes. The Project does not propose to improve or modify this existing lot. The Specific Plan will detail the land uses permitted on this lot.

Rideshare Parking. An approximately three-space rideshare pickup/drop-off (e.g., Lyft or Uber) location is proposed at the Project site's southern portion, along Artesia Boulevard.

ACCESS

The Project site would be accessed via a left-turn pocket on eastbound Artesia Boulevard onto Alburtis Avenue. The Project Site would also be accessed via westbound Artesia Boulevard onto Alburtis Avenue and Flallon Avenue.

CIRCULATION

The Project would provide pedestrian-oriented accessible walkways to all of its components. A central pedestrian walkway is provided between the uses and also down the center of the Project site. The walkway leads through landscaped courtyards towards a recreational area and the pool. Sidewalks would be provided on all Project site frontages and boundaries. The residential units that front the adjacent streets would include lockable gate access to the walkways that connect with the surrounding streets.

2.4.5 Specific Plan Amendment

The ABCSP includes six chapters to provide information and guidelines for development and implementation of land uses within the ABCSP area's boundaries.

INTRODUCTION

ABCSP Section 1: Introduction provides the concept for the ABCSP area and defines the corridor goals, objectives, vision, history, project setting, regulations, and existing conditions. The proposed Project will include updated zoning districts and Project Entitlement History to document the amendment to the ABCSP. It will define the amendment changes and highlight document revisions.

LAND USE PLAN

ABCSP Section 2: Land Use Plan introduces the proposed development approach for the ABCSP area, provides a vision for the ABCSP area quadrants, and incorporates an updated Land Use Map and Table of Permitted Uses. Key elements include Quadrant 2a and 2b vision, conceptual development scenario, and proposed and permitted land uses. The Project proposes to amend the ABCSP Land Use Plan to include Quadrant 2a as Multiple Business Use and 2b (the Project site) as Mixed-Use to permit residential and other uses.

URBAN DESIGN STANDARDS AND GUIDELINES

ABCSP Section 3: Urban Design Standards and Guidelines provides specific standards for how buildings in the ABCSP area can be developed (e.g., setbacks, parking requirements, etc., and provides guidelines to enhance the architectural style of buildings. This section also provides guidelines for design features (e.g., streetscapes, signage, lighting, rooflines, building materials) and other design elements. The Project proposes to amend the design guidelines and standards to include amended Quadrants 2a and 2b and specific related design standards and guidelines.

MOBILITY PLAN

ABCSP Section 4: Mobility Plan identifies established and planned roadway conditions within the ABCSP, including through contextual exhibits and conceptual street sections. This section also addresses options for alternative transportation modes within the corridor (e.g., bicycles, buses, and walking). The Project proposes to amend the ABCSP Mobility Plan to include updated access points for ingress/egress at the Project site, address onsite and offsite parking, and trip generation to include the amended quadrants.

INFRASTRUCTURE PLAN

ABCSP Section 5: Infrastructure Plan addresses key utilities and public services including water, sewer, energy, police, fire, and other services necessary for the ABCSP area's development. The Project's proposed utilities and infrastructure are potable and reclaimed water, sewer, stormwater drainage and water treatment, electricity, natural gas, and telecommunications. The ABCSP area already includes the distribution, location, extent of major components of public and private utilities and infrastructure, and other essential facilities needed to support the proposed Project. The Project does not propose to amend the ABCSP Infrastructure Plan.

ADMINISTRATION AND IMPLEMENTATION

ABCSP Section 6: Administration and Implementation identifies strategies to execute the ABCSP's recommendations, and specifies the steps needed to implement and modify the ABCSP. The Project does not propose to amend the ABCSP Administration and Implementation Section.

GENERAL PLAN CONSISTENCY

ABCSP Appendix A: The General Plan Consistency ties the ABCSP to the Citywide General Plan. The ABCSP Amendment will ensure omission of the former site operations and will be updated to include pertinent information on the amended Quadrant 2 into Quadrant 2a and 2b.

2.4.6 Construction and Phasing

The Project construction is anticipated to occur as three phases, but would be continuous with no pauses; see **Figure 2-5, Construction Phasing Plan**.

- Phase I:
    1. Grading, site work, and base paving for all alleys, streets, and underground utilities;

2. Construction of all commercial buildings;
3. Construction of a mix of units (including model homes) fronting Flallon Avenue.

- Phases II and III would consist solely of vertical construction of the buildings.

Phased occupancy of the proposed Project would be permitted. A Temporary Certificate of Occupancy may be issued pending clearance of certain final Project conditions of approval, subject to City approval.

Project construction is anticipated to occur over approximately 24 months, beginning September 2023 and ending August 2025. For purposes of this environmental analysis, opening year is assumed to be 2025.

Grading for the Project would require cut and fill, which would be balanced onsite. The Project site would be graded to mimic the existing grading and drainage patterns. The overall site grading and drainage pattern would be southerly to confluence with street flows to the Artesia Boulevard at Flallon Avenue intersection.

2.5 AGREEMENTS, PERMITS, AND APPROVALS

The City, as Lead Agency for the Project, has discretionary authority over the Project. In order to implement the Project, the Applicant would need to obtain, at a minimum, the following discretionary permits/approvals:

Case No. 2022-13, consisting of the following components:

- General Plan Amendment to permit integrated, mixed-use commercial and residential development to be considered and regulated with the adoption of specific plans;
- Zoning Code Text Amendment to amend the ABCSP to permit residential uses, establish a maximum allowable development within the Project site, and to amend the ABCSP's Design Standards and Guidelines (among other chapters);
- Design Review to review and approve the development's proposed physical design;
- Vesting Tentative Tract Map No. 83834 to subdivide and accommodate 80 Units for condominium purposes;
- Development Agreement; and
- Environmental Impact Report (EIR) certification.

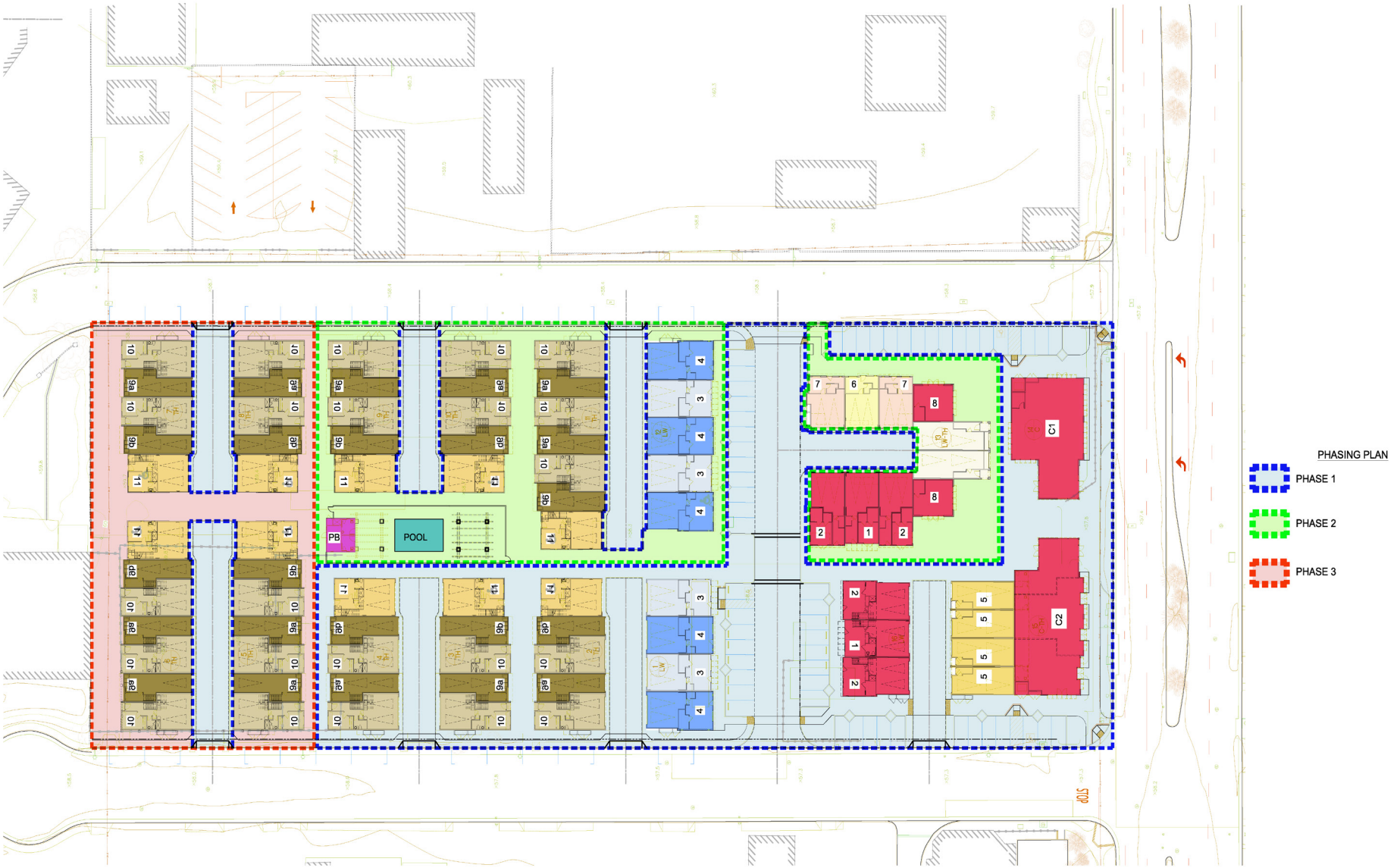

FIGURE 2-5: CONSTRUCTION PHASING PLAN

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

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3.0 INITIAL STUDY CHECKLIST

1. **Project title:**

   Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

2. **Lead agency name and address:**

   City of Artesia
   18747 Clarkdale Avenue
   Artesia, California 90701

3. **Contact person and phone number:**

   Okina Dor, Community Development Manager
   Tel: 562-865-6262 Ext: 227
   Planning@cityofartesia.us

4. **Project location:**

   11709 Artesia Boulevard
   Artesia, California 90701

5. **Project sponsor's name and address:**

   G3 Urban
   15235 South Western Avenue
   Gardena, California 90249

6. **General plan designation:**

   Gateway Community Commercial

7. **Zoning:**

   Artesia Boulevard Corridor Specific Plan

8. **Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)**

   See **Section 2.4: Project Characteristics**

9. **Surrounding land uses and setting: Briefly describe the project's surroundings:**

   See **Section 2.2.3: Surrounding Land Uses**

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)**

    To be determined, as part of EIR preparation.

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code §21080.3.1? If so, is there a**

plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

The City prepared letters addressed to each Native American tribe listed on the May 20, 2021 Los Angeles County Native American Heritage Commission (NAHC) Tribal Consultation List. Outreach letters were sent to Tribal representatives on June 14, 2022, initiating consultation with tribes pursuant to Assembly Bill 52 (AB 52) and Senate Bill 18 (SB 18); see also **Section 4.18: Tribal Cultural Resources**.

3.1 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

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

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

DETERMINATION:

On the basis of this initial evaluation (check one):

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

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

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

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

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

CERTIFICATION:

Signature _____ Date 8/8/22

4.0 ENVIRONMENTAL ANALYSIS

4.1 AESTHETICS

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

IMPACT ANALYSIS

1a) Have a substantial adverse effect on a scenic vista?

No Impact. Under CEQA, a scenic vista is defined as a viewpoint that provides expansive views of a highly-valued landscape for the public's benefit. No scenic vistas or other scenic resources have been identified within the City of Artesia.[8] Therefore, the Project would not have an adverse effect

[8] City of Artesia (2010). *City of Artesia General Plan 2030 EIR*. Page 5.3-3.

on a scenic vista, and no impact would occur in this regard. This issue will not be further analyzed in the EIR.

1b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. No scenic resources have been identified within the City.[9] The California Department of Transportation (Caltrans) does not list any highways within the City as officially designated State Scenic Highways.[10] Therefore, the Project would not damage scenic resources within a State Scenic Highway, and no impact would occur in this regard. This issue will not be further analyzed in the EIR.

1c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

No Impact. The Project site is in an urbanized area and is surrounded by urban uses. As noted in Response 1a, no scenic vistas or other scenic resources exist in the City. The Project site is zoned ABCSP. ABCSP Section 2: Land Use Plan, and ABCSP Section 3: Urban Design Standards and Guidelines include regulations and guidelines that influence visual quality. However, the ABCSP does not include regulations or guidelines that govern scenic quality. Therefore, the Project would not conflict with applicable zoning or other regulations governing scenic quality. This issue will not be further analyzed in the EIR.

The Project does propose to amend ABCSP Sections 2 and 3. ABCSP Section 2 provides a Land Use Map and list of permitted uses. ABCSP Section 3 provides specific standards for how buildings in the ABCSP area can be developed (e.g., setbacks, parking requirements, etc.), and provides guidelines to enhance the architectural style of buildings. ABCSPA Section 3 also provides guidelines for design features (e.g., streetscapes, signage, lighting, rooflines, building materials) and other design elements. The Project is designed to be a mixed-use, pedestrian-oriented, and placemaking development with various commercial opportunities. ABCSP Section 3.2.9: Mixed Use Buildings provides overarching elements that should be considered in the design of mixed-use buildings, including "allow[ing] both vertical and horizontal integration of uses in mixed use development, with an emphasis on tying the uses together with appropriate pedestrian linkages." The Project would provide various mixed-use buildings consisting of ground level commercial uses with townhome units above. The Project's various buildings would be linked by a central pedestrian walkway through a series of landscaped courtyards. As such, the Project would incorporate elements as listed in ABCSP Section 3 to ensure quality and well-planned development occurs as it relates to mixed-use buildings. Further, while the Project's proposed

[9] City of Artesia (2010). *City of Artesia General Plan 2030 EIR*. Page 5.3-3.
10 California Department of Transportation. (2019). *California State Scenic Highway System Map*. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa.

amendments to ABCSP Sections 2 and 3 would allow for residential uses on the Project site, they would be consistent with the regulations and guidelines concerning Quadrants 2 and 4, which would allow for the additions of new retail, and live/work shopkeeper development along with residential uses. Therefore, the proposed amendments to ABCSP would not degrade the area's visual quality. This issue will not be further analyzed in the EIR.

1d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less than Significant Impact. The proposed Project would generate lighting from two primary sources: lighting from building interiors that would pass through windows and lighting from exterior sources (e.g., street lighting, parking lighting, building illumination, security lighting, and landscape lighting). The proposed Project would adhere to the ABCSP's comprehensive development standards for lighting, including a requirement that spotlighting or glare from any site lighting from adjacent properties, and direct lighting at a specific object or target area is shielded. Project implementation would require review by designated review authorities to enforce these standards, as outlined in ABCSP Section 6.3: Administration. Therefore, the Project would not create a new source of substantial light or glare that would adversely affect the area's day or nighttime views, and impacts would be less than significant. This issue will not be further analyzed in the EIR.

4.2 AGRICULTURE AND FORESTRY RESOURCES

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

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
Farmland, to non-agricultural use or conversion of forest land to non-forest use?				

IMPACT ANALYSIS

2a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

2b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

2c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code §12220(g)), timberland (as defined by Public Resources Code §4526), or timberland zoned Timberland Production (as defined by Government Code §51104(g))?

2d) Result in the loss of forest land or conversion of forest land to non-forest use?

2e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. No Prime Farmland, Unique Farmland, or Farmland of Statewide or Local Importance is mapped in the City.[11] Further, the Project site is not the subject of a Williamson Act Contract.[12] No agricultural, forest land, or timberland zoning exists in the City. According to the California Department of Forestry and Fire Land Cover Mapping and Monitoring Program, the Project site is not designated as forest or Timberland.[13] Therefore, the Project would result in no impact concerning mapped farmlands, Williamson Act contracts, agricultural, forest, or timber land zoning, or the conversion or loss of Farmland, forest land or timberland. These issues will not be further analyzed in the EIR.

[11] California Department of Conservation. (2016). *California Important Farmland Finder.* https://maps.conservation.ca.gov/dlrp/ciff/.

[12] California Department of Conservation. (2016). *Williamson Act/Land Conservation Act.* http://www.conservation.ca.gov/dlrp/lca.

[13] California Department of Forestry and Fire Protection. (2006). *Land Cover Mapping and Monitoring Program: Los Angeles County*.

4.3 AIR QUALITY

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

The Project site is within the South Coast Air Basin (SCAB), which is under the South Coast Air Quality Management District's (South Coast AQMD) jurisdiction. The South Coast AQMD significance criteria may be relied upon to make the above determinations. According to the South Coast AQMD, an air quality impact is considered significant if a proposed project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The South Coast AQMD has established thresholds of significance for air quality during Project construction and operations.

The proposed Project would also be subject to ambient air quality standards. These are addressed through an analysis of localized CO impacts.

In addition to the CO hotspot analysis, the South Coast AQMD developed Local Significance Thresholds ("LSTs") for emissions of NO_2, CO, PM10, and PM2.5 generated at new development sites. LST analysis for construction is applicable for all projects that disturb 5.0 acres or less on a single day.

IMPACT ANALYSIS

3a) Conflict with or obstruct implementation of the applicable air quality plan?

3b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

3c) Expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. The South Coast AQMD is required, pursuant to the Federal Clean Air Act (FCAA), to reduce criteria pollutant emissions for which SCAB is in non-attainment. The Project proposes to construct up to 8,650 SF of commercial uses and 80 DUs on the Project site, generating construction traffic for material and construction worker trips. Project construction activities would generate short-term criteria air pollutant emissions. During operations, the proposed land uses would generate vehicle trips and there would be intermittent deliveries. The Project's operational emissions would be associated with area sources, energy sources, and mobile sources. Project construction and operations could result in the release of air contaminants. Therefore, the EIR will further evaluate these potential impacts.

3d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?

Less than Significant Impact. During construction-related activities, some odors (not substantial pollutant concentrations) that the public may detect are those typical of construction vehicles (e.g., diesel exhaust from grading and construction equipment). These odors are a temporary short-term impact, which are typical of construction projects and disperse rapidly.

The South Coast AQMD CEQA Air Quality Handbook (South Coast AQMD, 1993) identifies certain land uses as sources of odors. These land uses include agriculture, wastewater treatment plant, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The proposed Project is a mixed-use development and does not propose to include any odor-inducing uses on the site. Therefore, the Project would result in a less than significant impact related to other emissions leading to odors adversely affecting a substantial number of people. This issue will not be further analyzed in the EIR.

4.4 BIOLOGICAL RESOURCES

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

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
approved local, regional, or state habitat conservation plan?				

IMPACT ANALYSIS

4a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

4b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

4c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological?

No Impact. The Project site is currently vacant, but was formerly occupied by an industrial use. No natural habitats are present onsite. The Project site is bounded by industrial uses to the north; residential and commercial uses to the south; residential, commercial, and an active concrete batch plant to the east; and industrial uses to the west. No natural habitats are present on these adjacent areas, and only landscaping (i.e., ornamental vegetation) is present. Based on review of the existing and adjacent site conditions, no candidate, sensitive, or special-status plant or wildlife species, riparian habitat or other sensitive natural community, or wetlands are present on or adjacent to the Project site. Therefore, the Project would not have an adverse effect on any candidate, sensitive, or special-status plant or wildlife species, riparian habitat or other sensitive natural community, or wetlands. No impact would occur, and these issues will not be further analyzed in the EIR.

4d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

No Impact. Corridors are linear linkages between two or more habitat patches, which provide for wildlife movement and dispersal. The Project site has been previously disturbed and developed, and no natural habitats are present onsite. The Project site is surrounded by uses. No natural habitats are present in adjacent areas, and only landscaping (i.e., ornamental vegetation) is present. The Project would provide trees in the landscaped courtyards, walkways, and Project site perimeter. Although unlikely, these trees could potentially provide nesting sites for migratory birds. However, the Project would comply with the Migratory Bird Treaty Act (MBTA), which regulates

vegetation removal during the nesting season to ensure that significant impacts to migratory birds would not occur. In accordance with the MBTA, any tree removal activities associated with the Project would take place outside of the nesting season (February 1 – August 31), to the extent feasible. Should vegetation removal activities occur during the nesting season, a biological monitor would be present during the removal activities to ensure that no active nests would be impacted. If active nests are found, a buffer would be established until the fledglings have left the nest. With compliance with the MBTA, the Project would not interfere with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites, and no impact would occur. This issue will not be further analyzed in the EIR.

4e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

4f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The City does not have a tree preservation policy or ordinance, or any other local policies or ordinances protecting biological resources The Project site is not located within the boundaries of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan. Therefore, the Project would not conflict with such policies, ordinances, or plans. No impact would occur in this regard. These issues will not be further analyzed in the EIR.

4.5 CULTURAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
5. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	X			
c) Disturb any human remains, including those interred outside of dedicated cemeteries?			X	

IMPACT ANALYSIS

5a) Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5?

No Impact. The Project site is vacant. There are no potentially significant historic resources present onsite. Therefore, the Project would not cause an adverse change in the significance of a historical resource. No impact would occur in this regard. This issue will not be further analyzed in the EIR.

5b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Potentially Significant Impact. Past development has previously disturbed the Project site, thus, the Project site is considered to have low archeological sensitivity. Given the extent of onsite ground disturbances from previous development and the area's urbanized nature, there is low potential for the Project's ground-disturbing activities to encounter an archaeological resource. Notwithstanding, although unlikely, the potential exists for accidental discovery of archaeological resources during ground-disturbing activities. The EIR will further evaluate this potential impact.

5c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Less than Significant Impact. No dedicated cemeteries or other places of human interment are on or adjacent to the Project site. The Project site has been previously graded and developed. As such, the upper levels of sediment and fill are not likely to contain any human remains. In the unlikely event that human remains are unearthed during Project construction, State Health and Safety Code §7050.5 requires that no further disturbance shall occur until the County Coroner has

made the necessary findings as to origin and disposition pursuant to California PRC §5097.98. If human remains of Native American origin are discovered during Project construction, compliance with State laws, which fall within the jurisdiction of the Native American Heritage Commission (NAHC) (PRC §5097), relating to the disposition of Native American burials will be adhered to. Therefore, following compliance with the established regulatory framework described above, the Project's potential impacts concerning disturbance to human remains would be less than significant. This issue will not be further analyzed in the EIR.

4.6 ENERGY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
6. ENERGY. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	X			
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	X			

IMPACT ANALYSIS

6a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

6b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Potentially Significant Impact. Southern California Edison (SCE) provides electricity to the Project area.[14] Southern California Gas Company (SoCalGas) provides natural gas service to the Project area.[15] During Project construction, transportation fuel use would depend on the type and number of trips, vehicle miles traveled (VMT), fuel efficiency of vehicles, and travel mode. During Project operations, residential and commercial energy fuel consumption would be associated with vehicle trips, delivery truck trips, and maintenance and repair crew trips. Additionally, the Project's electrical and natural gas usage would depend on the forecast population growth and the characteristics of the permitted non-residential uses.

The Project's energy demand is expected to be served by the existing utilities described above. The Project's construction and operational electrical, gas, and fuel demand, as well as consistency with State and local plans for renewable energy and energy efficiency, will be evaluated in the EIR.

[14] City of Artesia. *Utility Providers*. https://www.cityofartesia.us/190/Utility-Providers.

[15] City of Artesia. *Utility Providers*. https://www.cityofartesia.us/190/Utility-Providers.

4.7 GEOLOGY AND SOILS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
7. GEOLOGY AND SOILS. Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.				X
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or				X

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
alternative waste water disposal systems where sewers are not available for the disposal of waste water?				
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	X			

A Preliminary Geotechnical Investigation was prepared for the Project site by Albus & Associates, Inc. in December 2021, and an updated letter was prepared for the Project site by Albus & Associates, Inc. in July 2022; see **Appendix A: Preliminary Geotechnical Investigation**.

IMPACT ANALYSIS

7a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

7a.i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

No Impact. The Alquist-Priolo Earthquake Fault Zoning Act was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. The Alquist-Priolo Earthquake Fault Zoning Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The Alquist-Priolo Earthquake Fault Zoning Act requires the State Geologist to establish regulatory zones, known as "Alquist-Priolo (AP) Earthquake Fault Zones," around the surface traces of active faults and to issue appropriate maps. If an active fault is found, a structure for human occupancy cannot be placed over the trace of the fault and must be set back from the fault (typically 50 feet). The Project site is not located within an Alquist-Priolo Earthquake Fault Zone.[16] Additionally, no evidence exists of a known fault within or adjacent to the Project site. The closest known seismically active fault to the Project site is the Puente Hills (Coyote Hills) fault located approximately 2.7 miles to the northeast.[17] The Project would not expose people or structures to adverse effects involving rupture of a known earthquake fault. Therefore, no impact would occur in this regard. This issue will not be further analyzed in the EIR.

[16] California Department of Conservation. (2015). Earthquake Zones of Required Investigation Inglewood Quadrangle. http://gmw.consrv.ca.gov/SHP/EZRIM/Maps/INGLEWOOD_EZRIM.pdf.

[17] Albus & Associates, Inc. (2021). *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California.* Page 7.

7a.ii) Strong seismic ground shaking?

Less than Significant Impact. The Project site is in an area of high regional seismicity. Ground shaking originating from earthquakes along active faults in the region is expected to induce lower horizontal accelerations due to smaller anticipated earthquakes and/or greater distances to other faults. The closest known seismically active fault to the Project site is the Puente Hills (Coyote Hills) fault located approximately 2.7 miles to the northeast.[18] Based on the Project's location within the seismically active Southern California region, Project implementation could expose people and structures to potential adverse effects involving strong seismic ground shaking. The intensity of ground shaking on the Project site would depend upon the earthquake's magnitude, distance to the epicenter, and geology of the area between the Project site and epicenter. Regulatory controls to address potential seismic hazards would be imposed on the Project through the permitting process. The Project would be subject to compliance with AMC Title 8, Chapter 1: Building Code, building standards, including specific provisions for seismic design of structures. Moreover, the City's Building and Safety Department would review the Project's construction plans to verify compliance with standard engineering practices, the City's Building Code, and the California Building Code (CBC). Following compliance with standard engineering practices and the established regulatory framework (i.e., the City's Building Code and the CBC), the Project's potential impacts concerning exposure of people or structures to potential adverse effects involving strong seismic ground shaking would be less than significant. This issue will not be further analyzed in the EIR.

7a.iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact. Liquefaction is a phenomenon where earthquake-induced ground vibrations increase the pore pressure in saturated, granular soils until it is equal to the confining, overburden pressure. When this occurs, the soil can completely lose its shear strength and enter a liquefied state. For liquefaction to occur, three criteria must be met:

- A source of ground shaking, such as an earthquake, capable of generating soil mass distortions.
- A relatively loose silty and/or sandy soil.
- A relative shallow groundwater table (within approximately 50 feet below ground surface) or completely saturated soil conditions that will allow positive pore pressure generation.

The Project site is located within a State-designated zone of potentially liquefiable soils.[19] As part of the Geotechnical Investigation, a site-specific liquefaction analysis was performed for the Project site. The liquefaction susceptibility of the onsite soils was evaluated by analyzing the potential concurrent occurrence of the above-mentioned three basic factors under the guidance the State of California Special Publication (SP) 117A, Guidelines for Evaluating and Mitigating Seismic Hazards in California. The liquefaction analysis indicated that liquefaction could

18 Albus & Associates, Inc. (2021). *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California*. Page 7.
19 Albus & Associates, Inc. (2021). Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California. Pages 6-7.

occur in soils located below a depth of 10 feet if groundwater were to rise to shallowest historic levels concurrent with a strong ground motion. Design-based recommendations, such as well-reinforced foundations, post-tensioned slabs, grade beams with structural slabs, or mat foundations, would reduce the potential risks of liquefaction. Specific recommendations to ensure the Project would not cause potential substantial adverse effects associated with liquefaction are provided in the Geotechnical Investigation. The City contracts with the Los Angeles County Department of Public Works (LACDPW) Building and Safety Department, which would review the Project's grading and construction plans to verify compliance with standard engineering practices, the City's Building Code, and the Geotechnical Investigation's recommendations. Specifically, the Project would be required to comply with the City's Standard Condition of Approval requiring that all development activities conducted on the Project site incorporate the professional recommendations contained in the Geotechnical Investigation and all recommendations set forth in a site-specific, design-level geologic and geotechnical investigation(s) approved by the City Engineer or their designee, provided such recommendations meet and/or surpass relevant State and City laws, ordinances, and Code requirements, including California Geological Survey's Special Publication 117A and the City's Building Code. Following compliance with standard engineering practices, the City's Building Code, the CBC, and the Geotechnical Investigation's recommendations, the Project's potential impacts involving adverse effects associated with seismic-related ground failure, including liquefaction, would be less than significant. This issue will not be further analyzed in the EIR.

7a.iv) Landslides?

No Impact. Landslides are mass movements of the ground that include rock falls, relatively shallow slumping and sliding of soil, and deeper rotational or transitional movement of soil or rock. The Project site is relatively flat[20] and is not located in an area mapped as an earthquake-induced landslide hazard area.[21] Therefore, the Project would not cause potential substantial adverse effects involving landslides. There would be no impact in this regard. This issue will not be further analyzed in the EIR.

7b) Result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact. Grading and earthwork activities during construction would expose soils to potential short-term erosion by wind and water. During construction, the Project would be subject to compliance with AMC Title 6 Chapter 7: Storm Water Management and Discharge Control, which requires compliance with the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction Activities (Construction General Permit). The Construction General Permit requires development and implementation of a Stormwater Pollution Prevention Plan (SWPPP) and monitoring plan, which must include erosion-control and sediment-control Best Management Practices (BMPs) that would meet or exceed measures required by the Construction General Permit to control potential construction-related erosion. Following compliance with the established regulatory framework

[20] Albus & Associates, Inc. (2021). *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California*. Page 8.

[21] California Department of Conservation. (2022). *Earthquake Zones of Required Investigation.* https://maps.conservation.ca.gov/cgs/EQZApp/.

(i.e., the AMC and Construction General Permit), the Project's potential impacts concerning soil erosion and loss of topsoil would be less than significant. This issue will not be further analyzed in the EIR.

7c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less than Significant Impact. The conditions favorable for hazards associated with unstable geologic unit or soil (landslide (see Threshold 4.7a.iv) or subsidence/collapse) are not present in the City; however, the Project site is located within a State-designated zone of potentially liquefiable soils (see Threshold 4.7a.iii). The Geological Investigation concluded that lateral spreading is not a significant risk at the Project site in consideration of the relatively flat site topography and lack of a nearby channel face or slope.[22]

Subsidence occurs when the withdrawal of groundwater, oil, or natural gas vertically displaces a large portion of land. Soils that are particularly subject to subsidence include those with high silt or clay content. Soil materials encountered at the Project site consisted of approximately 2.0 feet of artificial fill over alluvial soils. The artificial fill is predominately comprised of grayish brown sandy silt and silty sand. Underlying the artificial fills are native soils consisting of young alluvial fan deposits (Qyfa). The alluvial fan deposit materials were encountered to the maximum depth explored of 51.5 feet and are comprised of grayish brown to light gray, interlayered silty sand and sand that are damp to wet and loose to very dense. Occasional lenses and layers of sandy silt are also present that are generally very moist to wet and firm to very stiff.[23] No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring, or planned, at the Project site or in the general Project site vicinity. The Geological Investigation concluded that near surface soils will shrink about 5 to 10 percent when removed and replaced as compacted fill. Subsidence due to reprocessing of removal bottoms is anticipated to be about 0.05 feet.[24]

The Geotechnical Investigation makes recommendations concerning design parameters, foundations, slabs, and general earthwork and grading, among other factors. The City contracts with the LACDPW Building and Safety Department, which would review the Project's grading and construction plans to verify compliance with standard engineering practices, the City's Building Code, the CBC, and the Geotechnical Investigation's recommendations, including those concerning landslides, lateral spreading, subsidence, liquefaction, and collapse. Specifically, the Project would be required to comply with the City's Standard Condition of Approval requiring that all development activities conducted on the Project site incorporate the professional recommendations contained in the Preliminary Geotechnical Investigation and all

[22] Albus & *Associates*, Inc. (2021). *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California*. Page 8.

[23] Albus & *Associates*, Inc. (2021). *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California*. Pages 3-4.

[24] Albus & Associates, Inc. (2021). *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd. Artesia, California*. Page 8.

recommendations set forth in a site-specific, design-level geologic and geotechnical investigation(s) approved by the City Engineer or their designee, provided such recommendations meet and/or surpass relevant State and City laws, ordinances, and Code requirements, including California Geological Survey's Special Publication 117A and the City's Building Code. Following compliance with standard engineering practices, the established regulatory framework (i.e., the City's Building Code and CBC), and the Geotechnical Investigation's recommendations, the Project would not result in onsite or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse. Therefore, impacts would be less than significant in this regard. These issues will not be further analyzed in the EIR.

7d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than Significant Impact. The Geotechnical Investigation concluded the Project site's near-surface soils are generally anticipated to possess a low expansion potential. The City contracts with the LACDPW Building and Safety Department, which would review the Project's grading and construction plans to verify compliance with standard engineering practices, the City's Building Code, the CBC, and the Geotechnical Investigation's recommendations, including those concerning expansive soils. Specifically, the Project would be required to comply with the City's Standard Condition of Approval requiring that all development activities conducted on the Project site incorporate the professional recommendations contained in the Preliminary Geotechnical Investigation and all recommendations set forth in a site-specific, design-level geologic and geotechnical investigation(s) approved by the City Engineer or their designee, provided such recommendations meet and/or surpass relevant State and City laws, ordinances, and Code requirements, including California Geological Survey's Special Publication 117A and the City's Building Code. Following compliance with standard engineering practices, the City's Building Code, and the Geotechnical Investigation's recommendations, the Project would not create substantial direct or indirect risks to life or property concerning expansive soils. Therefore, impacts would be less than significant in this regard. This issue will not be further analyzed in the EIR.

7e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The Project would connect to the City's sewer system and would not include use of septic tanks or alternative wastewater disposal systems. Therefore, there would be no impact in this regard. This issue will not be further analyzed in the EIR.

7f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Potentially Significant Impact. Paleontological resources are the fossilized remains of organisms from prehistoric environments found in geologic strata. These resources are valued for the information they yield about the Earth's history and its past ecological settings. The potential for

fossil occurrence depends on the rock type exposed at the surface in a given area. Previous construction-related excavation on the Project site has disturbed sediments beyond depths at which buried prehistoric cultural resources are likely. Notwithstanding, the potential exists for accidental discovery of paleontological resources during ground-disturbing activities. The EIR will further evaluate these potential impacts.

4.8 GREENHOUSE GAS EMISSIONS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
8. GREENHOUSE GAS EMISSIONS. Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	X			
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	X			

IMPACT ANALYSIS

8a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Potentially Significant Impact. The proposed Project would generate greenhouse gas (GHG) emissions directly from construction-related activities. Construction GHG emissions are typically summed and amortized over the Project's lifetime (assumed to be 30 years), then added to the operational emissions.[25] Operational or long-term emissions would occur over the proposed Project's life. The Project's operational GHG emissions would result from direct emissions such as Project-generated vehicular traffic, onsite combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to the Project site and wastewater from the Project site, the emissions associated with solid waste generated from the Project site, and any fugitive refrigerants from air conditioning or refrigerators. Project construction and operations could generate GHG emissions that may have a significant impact on the environment. Therefore, the EIR will further evaluate these potential impacts.

8b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Potentially Significant Impact. The City does not currently have an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. As such, the EIR will evaluate the Project's potential to conflict with any other applicable plan, policy, or regulation of an agency adopted to reduce GHG emissions, including, but not limited to, the 2017 Scoping

[25] The Project lifetime is based on South Coast AQMD's standard 30-year assumption (South Coast Air Quality Management District, Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13, August 26, 2009).

Plan, the Southern California Association of Governments (SCAG) Connect SoCal Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), Title 24, AB 32, and SB 32.

4.9 HAZARDS AND HAZARDOUS MATERIALS

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

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?				X

This analysis was based on the following studies prepared for the Project:

- Phase I Environmental Site Assessment (ESA) and Phase II Subsurface Investigation (Ramboll, December 2021); see **Appendix B: Phase I Environmental Site Assessment and Phase II Subsurface Investigation**
- Human Health Risk Evaluation (Ramboll, June 2022); see **Appendix C: Human Health Risk Evaluation**.

IMPACT ANALYSIS

9a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less than Significant Impact. Project construction and operation would involve the transport, storage, use and/or disposal of limited quantities of hazardous materials, such as fuels, solvents, degreasers and paints. Examples of such activities include fueling and servicing construction equipment, and applying paints and other coatings. The Project proposes residential and commercial development, which are not anticipated to involve the routine transport, use, or disposal of quantities of hazardous materials that may create a significant hazard to the public or environment. The maintenance materials would be stored, handled, and disposed of in accordance with applicable regulations and the City's programs to control and safely dispose of hazardous materials and wastes. Specifically, the City's Hazardous Materials Release Response Plans and Inventory Program requires the owner or operator of any business that handles or stores hazardous materials equal to or above the reportable quantities to submit a Hazardous Materials Inventory and Contingency Plan. Compliance with these regulations would ensure that all hazardous wastes would be properly handled, recycled, treated, stored, and disposed. Following implementation of standard City practices and compliance with federal, State, and local regulations that address the routine transport, use, or disposal of hazardous materials, a less than significant impact would occur in this regard. This issue will not be further analyzed in the EIR.

9b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less than Significant Impact. A Phase I ESA and a Phase II Subsurface Investigation was completed for the Project site; see **Appendix B**. The Phase I ESA concluded there are no Recognized Environmental Conditions (RECs) in connection with the Project site. Soil and soil vapor samples were collected in areas including former employee and truck parking areas, the former

underground storage tank (UST) area, the former truck wash area, former chemical storage area, former main plant chemical storage area, former boiler area storage, and former sump pump area. Soil samples were analyzed for total petroleum hydrocarbons (TPH) and pH, while soil vapor was analyzed for volatile organic compounds (VOCs). TPH were not detected in soil above applicable screening criteria, and the soil pH was generally consistent with normal background conditions.

The Phase II Subsurface Investigation concluded that benzene, tetrachloroethane (PCE), and chloroform were the only VOCs detected in the soil vapor above applicable Department of Toxic Substance Control (DTSC)/United States Environmental Protection Agency (USEPA) residential and commercial screening levels (SLs) using 0.03 as an attenuation factor (AF). Chloroform was the only VOC detected above applicable DTSC/USEPA residential screening levels (RSLs) using 0.001 as an AF. No VOCs in soil vapor were detected above applicable DTSC/USEPA commercial screening levels using 0.001 as an AF.

A screening human health risk assessment (HHRA) was completed to assess the potential health risks to future onsite commercial employees and residents based on the results of the Phase II Subsurface Investigation.[26] All detected soil concentrations were screened using commercial/industrial and residential California Environmental Protection Agency (Cal/EPA) DTSC-modified SLs. If no SLs were available, the commercial/industrial and residential RSLs from USEPA were used. TPH soil data were compared to the California Regional Water Quality Control Board (RWQCB) – San Francisco Bay Region's Environmental Screening Levels (ESLs). These SLs were used in combination with a default future commercial buildings AF of 0.0005 and a default future residential AF of 0.001. The SLs were calculated to correspond to a target cancer risk (CR) of one in a million (1E-06) and a target non-cancer hazard quotient (HQ) of one. According to the National Contingency Plan, which is commonly cited as a basis for target risk and hazard levels, lifetime incremental CR posed by a site should not exceed 1E-06 to one hundred in a million (1E-04), and non-carcinogenic chemicals would not be present at levels expected to cause adverse health effects.

As concluded in the HHRA, all chemicals detected in the soil are well below their SLs and cumulatively would not exceed an excess lifetime CR above 1E-06 or an HQ above one. Based on the HHRA results, no significant health risks associated with exposures to soils at the Project site are expected to occur for the potential future onsite residents and employees, and no vapor mitigation systems are required or warranted.

Therefore, the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment, and impacts would be less than significant. This issue will not be further analyzed in the EIR.

[26] Ramboll US Consulting Inc. (2022). *Human Health Risk Evaluation for 11709 Artesia Boulevard, 17208 and 17212 Alburtis Avenue, Artesia, California.*

9c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The school nearest the Project site, Gahr High School, located at 11111 Artesia Boulevard in City of Cerritos, is approximately 0.5 mile west of the Project site. Because the Project site would be located more than one-quarter mile from this school, any emissions and hazardous materials handling at the site, during construction and operations, would not pose a significant health risk to the school.

AMC §4-4.301: Established [Truck Routes], specifies that Artesia Boulevard, Pioneer Boulevard, and South Street are designated truck routes. Construction trucks leaving the Project site are anticipated to travel eastbound on Artesia Boulevard and north on Pioneer Boulevard to access SR-91 and connect with I-605. Based on these established truck routes, it is not anticipated that construction trucks would pass near Gahr High School. Thus, no impacts would occur in this regard. This issue will not be further analyzed in the EIR.

9d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less than Significant Impact. Government Code §65962.5 refers to the Hazardous Waste and Substances Site List, commonly known as the Cortese List, maintained by the DTSC. The Cortese list contains hazardous waste and substance sites including public drinking water wells with detectable levels of contamination, sites with known underground storage tanks (USTs) having a reportable release, solid waste disposal facilities from which there is a known migration, hazardous substance sites selected for remedial action, historic Cortese sites, and sites with known toxic material identified through the abandoned site assessment program.

The Project site is listed on several environmental databases, as determined by the regulatory agency database search conducted as part of the Phase I ESA. However, the Phase I ESA concluded that the listings in the environmental database report are unlikely to represent an environmental concern to the site given that the listings associated with the site were properly closed, removed, and documented and recommends no further investigation regarding this issue.[27] Therefore, although the Project site is listed, the Project would not create a significant hazard to the public or the environment. Impacts would be less than significant in this regard. This issue will not be further analyzed in the EIR.

[27] Ramboll US Consulting Inc. (2021). *Phase I Environmental Site Assessment and Phase II Subsurface Investigation*. Page 18.

9e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. There are no public airports or public use airports located within two miles of the Project site. Therefore, the Project would not result in an airport-related safety hazard or excessive noise for people residing or working on the Project site. No impact would occur in this regard. This issue will not be further analyzed in the EIR.

9f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. The Project Site is located in an unurbanized area where adequate circulation and access is provided to facilitate emergency response. The Artesia Emergency Operations Plan outlines emergency response actions in the event of a large-scale disaster, such as a hazardous materials emergency. Further, Project construction would not require the complete closure of any public or private streets during construction. Temporary construction activities would not impede use of the streets for emergencies or access for emergency response vehicles. The Project would be subject to compliance with General Plan Policy Action SAF 5.1.2, which requires that the City and associated public services departments (e.g., Police Department and Fire Department) review development proposals for potential impacts to the provision of emergency services. Therefore, the Project's potential impacts concerning impairing implementation of or physically interfering with an emergency response plan or related policies would be less than significant. This issue will not be further analyzed in the EIR.

9g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. The Project site is in a fully urbanized area and is not adjacent to any wildland. Additionally, the Project site is not within a very high fire severity zone (VHFSZ); see **Section 4.20: Wildfire**. Therefore, the Project would not expose people or structures to risk involving wildland fires. No impact would occur in this regard. This issue will not be further analyzed in the EIR.

4.10 HYDROLOGY AND WATER QUALITY

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

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

The following studies were prepared for the Project site:

- Preliminary Hydrology Study (C&V Consulting, Inc., June 2022); see **Appendix D: Preliminary Hydrology Study**.
- Preliminary Low Impact Development (LID) Plan (C&V Consulting, Inc., June 2022); see **Appendix E: Preliminary LID Plan**.

IMPACT ANALYSIS

10a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant Impact. The Project's construction-related activities would include excavation, grading, and trenching, which would displace soils and temporarily increase the potential for soils to violate water quality standards or waste discharge requirements. Construction activity would be subject to the National Pollutant Discharge Elimination System (NPDES) program's Construction General Permit. Construction activity subject to the Construction General Permit includes any construction or demolition activity, including, but not limited to, clearing, grading, grubbing, or excavation, or any other activity that results in a land disturbance of equal to or greater than 1.0 acres. To obtain coverage under the Construction General Permit, dischargers are required to file with the State Water Board the Permit Registration Documents, which include a Notice of Intent (NOI) and other compliance-related documents. The Construction General Permit requires development and implementation of a Stormwater Pollution Prevention Plan (SWPPP) and monitoring plan, which must include erosion-control and sediment-control Best Management Practices (BMPs) that would meet or exceed measures required by the Construction General Permit to control potential construction-related pollutants. Erosion-control BMPs are designed to prevent erosion, whereas sediment control BMPs are designed to trap sediment once it has been mobilized. The types of required BMPs would be based on the amount of soil disturbed, the types of pollutants used or stored at the Project site, and proximity to water bodies. The Project would also be required to comply with City regulations (AMC Title 6 Chapter 7: Storm Water Management and Discharge Control) and General Plan Policy Action CFI 3.1.4, which requires continued participation in the NPDES program, to control storm water runoff and prevent violations of regional water quality standards. Following regulatory compliance, the Project's construction-related activities would not violate any water quality standards or otherwise substantially degrade surface or groundwater quality.

As shown on Figure 2: BMP Exhibit of the Preliminary LID Plan, upon Project completion, the catch basin inlets and grated inlets that collect the Project site's generated runoff would be routed to an underground detention system that would feed into a bio-filtration system via a pump station for water quality treatment. The treated flow would be pumped to a parkway culvert and routed to the downstream system following the existing drainage pattern. When the underground detention is at full capacity, the confluence of the flows would be routed to the proposed overflow parkway culvert through the interconnected storm drain system. The Project would also implement site source control and treatment BMPs according to the Los Angeles County Department of Public Works Low Impact Development Standards Manual to ensure that water quality standards would not be violated.

Therefore, Project construction and operations would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality. A less than significant impact would occur. This issue will not be further analyzed in the EIR.

10b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less than Significant Impact.

Groundwater Supplies. The Project site is in Golden State Water Company's (GSWC) service area. The entire Artesia system, which is operated by GSWC and considered potable, is supplied from two main sources: local groundwater and imported water purchased from the City of Cerritos and Central Basin Municipal Water District (CBMWD). As required by the Urban Water Management Planning Act, GSWC has coordinated with nearby agencies while developing the Urban Water Management Plan (UWMP) to ensure consistency with other related planning efforts such as Groundwater Sustainability Plan(s) (GSP).

The GSWC's Southwest System has a total normal year active well capacity of 10,865 gallons per minute (gpm) (17,525 acre-feet per year [AFY]), of which 8,715 gpm (14,057 AFY) is in the West Coast Basin and 2,150 gpm (3,468 AFY) is in the Central Basin. The Southwest System is supplied by two active GSWC-owned wells in the Central Basin and 12 active GSWC-owned wells in the West Coast Basin. GSWC monitors well capacity, status, and water quality.

The Central Basin's groundwater storage capacity is approximately 13.8 million acre-feet (AF). The Central Basin adjudication limit (total of the allowed pumping allocations [APA] of each party) for groundwater extraction across the entire basin is 217,467 acre-feet per year (AFY). GSWC maintains an APA of 16,439 AFY. GSWC's APA is shared between all their systems that extract groundwater from the Central Basin. The storage capacity of the West Coast Basin's primary water producing aquifer, the Silverado aquifer, is estimated to be 6.5 million AF. The West Coast Basin adjudication limit for groundwater extraction across the entire basin is 64,468 AFY. GSWC maintains legal rights to 7,502 AFY. Three agencies, LACDPW, Water Replenishment District of Southern California (WRDSC), and CBMWD, collaborate with the water producers to ensure that the APA is available to the Central Basin and West Coast Basin pumpers.

The current ABCSP assumed development of retail and commercial uses on the Project site, which are the underlying assumptions for the UWMP. The Project proposes development of 8,650 SF of commercial uses and 80 DU on the Project site, which are anticipated to generate greater water demand than the UWMP's underlying development assumptions (based on the existing ABCSP). However, because the Central Basin and West Coast Basin are adjudicated, and the LACDPW, WRDSC, and WBMWD would continue to collaborate to avoid overdraft and ensure the APA is available to the pumpers, and the Project would be subject to the applicable State and local regulations concerning water conservation, the Project would not substantially deplete groundwater supplies such that it would impede sustainable groundwater management of the basin.

Groundwater Recharge. Basin recharge occurs through percolation of precipitation and artificial recharge activities at spreading grounds, among other sources. The Project site was formerly developed with an industrial use (i.e., a dairy manufacturing plant). Remnants of the past development result in negligible pervious area; therefore, the site is assumed to be 100 percent impervious. Upon Project buildout, the Project site would be approximately 86 percent impervious.[28] The Project would decrease the onsite impervious area resulting in more onsite percolation of precipitation. Additionally, the Project site does not involve spreading grounds. Thus, the Project would not interfere substantially with groundwater recharge such that it would impede sustainable groundwater management of a basin.

Therefore, potential impacts associated with depleting groundwater supplies or interfering substantially with groundwater recharge would be less than significant. This issue will not be further analyzed in the EIR.

10c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

10c.i) Result in substantial erosion or siltation on- or off-site?

10c.ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

10c.iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

10c.iv) Impede or redirect flood flows?

Less than Significant Impact. The existing drainage of the Project site generally surface flows southerly to confluence with the street flows to the existing catch basins at the public right of way adjacent to the Project site near the corner of Artesia Boulevard and Flallon Avenue. There is an

[28] C&V Consulting. (2022). *Preliminary Hydrology Report.* Page 2.

existing drainage inlet near the site's center that collects a portion of the site. As the portion of the site that collects flow is generally flat and the low point ponds to slope towards the Fallon Avenue, the site is analyzed as a single drainage area that is tributary to the downstream system.

The Project would decrease the site's impervious area, which could decrease the runoff volumes from the Project site. During Project operations, stormwater flows would be directed to storm drainage features, and not create an opportunity for erosion or siltation on- or off-site. As stated in Response 4.10a, upon Project completion, the catch basin inlets and grated inlets that collect the Project site's generated runoff would be routed to an underground detention system that feeds into a bio-filtration system via pump station for water quality treatment. The treated flow would be pumped to a parkway culvert and be routed to the downstream system following the existing drainage pattern. When the underground detention is at full capacity, the confluence of the flows would be routed to the proposed overflow parkway culvert through the interconnected storm drain system. No flooding is expected to occur on- or off-site due to Project implementation. As such, impacts would be less than significant. These issues will not be further analyzed in the EIR.

10d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less than Significant Impact. The Project site is in an area of minimal flood hazard as depicted on the Federal Emergency Management Agency's (FEMA) flood map (06037C1980F) for the City of Artesia.[29] Tsunamis are sea waves that are generated in response to large-magnitude earthquakes. When these waves reach shorelines, they sometimes produce coastal flooding. Seiches are the oscillation of large bodies of standing water, such as lakes, that can occur in response to ground shaking. The Project site is approximately nine miles northeast of the Pacific Ocean, and there are no nearby bodies of standing water. Tsunamis and seiches do not pose hazards due to the Project site's inland location and lack of nearby bodies of standing water. The Project is not within a flood hazard, tsunami, or seiche zone and, thus, potential impacts associated with inundation by flood hazard, tsunami, or seiche would be less than significant. This issue will not be further analyzed in the EIR.

10e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant Impact. In 2014, the California Sustainable Groundwater Management Act (SGMA) was passed, which provides authority for agencies to develop and implement groundwater sustainability plans (GSP) or alternative plans that demonstrate water basins are being managed sustainably.[30] The Project site is located in a very low priority basin.[31] Under the SGMA, the Central Basin and West Coast Basin are exempted from the requirement to form a

[29] Federal Emergency Management Agency. (2019). *FEMA Flood Map Service Center.* https://msc.fema.gov/portal/search#searchresultsanchor.

[30] State Water Resources Control Board. (2019). *Sustainable Groundwater Management Act (SGMA).* https://www.waterboards.ca.gov/water_issues/programs/gmp/sgma.html.

[31] California Department of Water Resources. (2020). *Basin Prioritization Dashboard*. https://gis.water.ca.gov/app/bp-dashboard/final/.

Groundwater Sustainability Agency, since they are adjudicated basins. Therefore, the Project would not conflict with or obstruct implementation of a sustainable groundwater management plan. Impacts would be less than significant in this regard. This issue will not be further analyzed in the EIR. See Response 10a concerning water quality.

4.11 LAND USE AND PLANNING

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

IMPACT ANALYSIS

11a) Physically divide an established community?

No Impact. Examples of projects that could physically divide an established community include a new freeway or highway that traverse an established neighborhood. The Project proposes residential and commercial development. The Project involves redevelopment of a previously developed site within the ABCSP and does not propose any new streets or other physical barriers, which could physically divide an established community. The ABCSP encourages infill development including a mix of commercial and retail uses, blended with residential and office units. The flexibility presented in the ABCSP allows Artesia Boulevard to grow into a pedestrian- and auto-friendly corridor, as it is designated in the General Plan. The ABCSP also takes into consideration the surrounding properties, including existing neighborhoods and other sensitive uses, and is intended to create buffers and transitional areas when necessary. Given its nature and scope, the Project would not physically divide an established community. Therefore, no impact would occur in this regard. This issue will not be further analyzed in the EIR.

11b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Potentially Significant Impact. The requested approvals include a General Plan Amendment; Zoning Code Text Amendment; Design Review; Development Agreement; Vesting Tentative Tract Map; and the CEQA EIR certification. While the Project would not be anticipated to conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, an evaluation of the effects of the Project's requested approvals, as well as an evaluation of the Project's compliance with other applicable regional and local plans, policies, and regulations, will be further analyzed in the EIR.

4.12 MINERAL RESOURCES

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

IMPACT ANALYSIS

12a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

12b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. The Surface Mining and Reclamation Act of 1975 (SMARA) requires classification of land into mineral resource zones (MRZs) according to the area's known or inferred mineral potential.[32] The Project site is located in Mineral Resource Zone-1 (MRZ-1). Areas designated MRZ-1 are noted to have adequate information that no significant[33] mineral deposits are present or it is judged that little likelihood exists for their presence.[34] Therefore, the proposed Project would have no impact concerning mineral resources. These issues will not be further analyzed in the EIR.

[32] California Department of Conservation. (2018). *California Statutes and Regulations for the California Geological Survey*. Sacramento, CA: California Geological Survey.

[33] Note that use of the term "significant" in this context is used in the MRZ definitions of zones to describe economic value of mineral resources and does not refer to a level of impact under CEQA.

[34] California Department of Conservation. (2015). *CGS Information Warehouse: Regulatory Maps. Special Report 143, Plate 4-1.* http://maps.conservation.ca.gov/cgs/informationwarehouse/.

4.13 NOISE

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

IMPACT ANALYSIS

13a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Potentially Significant Impact. Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g., land clearing, grading, excavation, paving). Noise generated by construction equipment, including earthmovers, material handlers, and portable generators, can reach high levels. Construction activities are anticipated to include site preparation, grading, building construction, paving, and architectural coating. Nearby noise-sensitive receptors could be exposed to elevated exterior noise levels during Project construction that exceed adopted standards. Construction activities could also cause increased noise along access routes to and from the Project site due to movement of equipment, materials, and workers. The EIR will further evaluate the potential for the Project's construction activities to result in a temporary increase in ambient noise levels in the Project's vicinity in excess of City standards.

The Project would introduce mobile and stationary source operational noise consistent with typical residential and commercial developments. The Project would also generate traffic volumes along nearby roadways, which could result in noise level increases along area roadways. The EIR will further evaluate the potential for Project operations to result in a temporary or permanent increases in ambient noise levels in the Project's vicinity in excess of City standards.

13b) Generation of excessive groundborne vibration or groundborne noise levels?

Potentially Significant Impact. Increases in groundborne vibration levels attributable to the Project would be primarily associated with short-term construction-related activities. Project construction could result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved. The Project proposes a residential development on a site that was previously developed with industrial uses, where groundborne vibration associated with onsite operations and truck movements occurred. The EIR will further evaluate the Project's potential to generate excessive groundborne vibration or groundborne noise levels.

13c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. There are no public airports or public use airports located within two miles of the Project site Therefore, the Project would not expose people residing or working in the Project area to excessive noise levels on the Project site. No impact would occur in this regard. This issue will not be further analyzed in the EIR.

4.14 POPULATION AND HOUSING

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

IMPACT ANALYSIS

14a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Potentially Significant Impact. The City's current population as of January 1, 2022 is approximately 16,226 persons.[35] The City's housing stock totaled 4,760 DU with approximately 3.38 persons per household. The Project proposes to develop mixed-use development comprised of 80 DUs and approximately 8,650 SF of commercial uses. Given, the Project proposes new homes and businesses, Project implementation could induce unplanned population growth in the City. The EIR will further evaluate whether the Project's forecast population growth is substantial or unplanned.

14b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The Project would not displace existing housing or require construction of replacement housing elsewhere, since no housing is located on site. Therefore, no impact would occur in this regard. This issue will not be further analyzed in the EIR.

[35] California Department of Finance. (2022). *E-5 Population and Housing Estimates for Cities, Counties, and the State,* January 2021-2022.

4.15 PUBLIC SERVICES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
15. PUBLIC SERVICES. Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?	X			
ii) Police protection?	X			
iii) Schools?	X			
iv) Parks?	X			
v) Other public facilities?	X			

IMPACT ANALYSIS

15a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

15a.i) Fire protection?

Potentially Significant Impact. The City contracts with the Los Angeles County Fire Department (LACFD) to provide fire protection and emergency medical services (EMS) for the City. The City entered into an automatic response agreement with the cities of Norwalk and Cerritos to provide dispatch regardless of city boundaries. LACFD operates two fire stations that serve the City: Fire Station 30, located at 19030 Pioneer Boulevard, in the City of Cerritos, and Fire Station 115, located

at 11317 Alondra Boulevard, in the City of Norwalk.[36] The Project's forecast population growth would incrementally increase the demand for fire protection and EMS to the Project site. The EIR will further evaluate the Project's potential to result in substantial adverse physical impacts associated with the provision of new or physically altered fire protection facilities, the construction of which could cause significant environmental impacts.

15a.ii) Police protection?

Potentially Significant Impact. Police protection services to the City of Artesia are provided under contract with the Los Angeles County Sheriff's Department (LACSD). The City is served by the Lakewood Sheriff's Station located at 5130 Clark Avenue in the City of Lakewood. The Lakewood Station provides general and specialized community-oriented law enforcement services to over 270,000 residents in the contract cities of Artesia, Bellflower, Hawaiian Gardens, Lakewood, and Paramount.[37] The Project's forecast population growth would incrementally increase the demand for police protection services to the Project site. The EIR will further evaluate the Project's potential to result in substantial adverse physical impacts associated with the provision of new or physically altered police protection facilities, the construction of which could cause significant environmental impacts.

15a.iii) Schools?

Potentially Significant Impact. The Project site is within Los Angeles Unified School District (LAUSD) boundaries. The proposed Project is forecast to generate an increase in student population. The EIR will further evaluate the Project's potential to result in substantial adverse physical impacts associated with the provision of new or physically altered school facilities, the construction of which could cause significant environmental impacts.

15a.iv) Parks?

Potentially Significant Impact. See Response 4.16 below.

15a.v) Other public facilities?

Potentially Significant Impact. Los Angeles County Library operates 84 community-based library outlets, including four bookmobiles, in 51 of 88 cities and unincorporated areas. Los Angeles County Library is responsible for maintenance and library improvements to meet future library service's demands. The Project's forecast population growth would incrementally increase the demand for library services. The EIR will further evaluate the Project's potential to result in substantial adverse physical impacts associated with the provision of new or physically altered library facilities, the construction of which could cause significant environmental impacts.

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[36] City of Artesia. (2010). *Artesia General Plan Update Public Review Draft Program EIR*. Pages 5.11-1, 5.11-2.

[37] City of Artesia. (2010). *Artesia General Plan Update Public Review Draft Program EIR*. Page 5.11-7.

4.16 RECREATION

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
16. RECREATION.				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	X			
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	X			

IMPACT ANALYSIS

16a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

16b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Potentially Significant Impact. The Project's forecast population growth could incrementally increase the use of existing parks and/or recreational facilities. The EIR will further evaluate whether this incremental increase would be such that substantial physical deterioration of an existing recreational facility would occur or be accelerated. The EIR will also further evaluate the Project's potential to include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical impact on the environment.

4.17 TRANSPORTATION

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

IMPACT ANALYSIS

17a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Potentially Significant Impact. The Project would increase pedestrian, bicyclist, and vehicle traffic in the Project area. The EIR will further evaluate whether this increase would conflict with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.

17b) Would the project conflict or be inconsistent with [State] CEQA Guidelines §15064.3, subdivision (b)?

Potentially Significant Impact. The Project may increase the VMT over existing conditions. Therefore, the EIR will further evaluate the Project's VMT for consistency with State CEQA Guidelines §5064.3(b).

17c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Potentially Significant Impact. The Project would redevelopment a vacant property and construct new onsite circulation features, including new access driveways and curved travelways, which may increase hazards due to a geometric design feature. The EIR will further evaluate the Project's design features for hazards and evaluate the Project's use for incompatibility.

17d) Result in inadequate emergency access?

Less than Significant Impact. As stated in Response 9f, the Project Site is located in an unurbanized area where adequate circulation and access is provided to facilitate emergency response. The Artesia Emergency Operations Plan outlines emergency response actions in the event of a large-scale disaster, such as a hazardous materials emergency. Further, Project construction would not require the complete closure of any public or private streets during construction. Temporary construction activities would not impede use of the streets for emergencies or access for emergency response vehicles. The Project would be subject to compliance with General Plan Policy Action SAF 5.1.2, which requires that the City and associated public services departments (e.g., Police Department and Fire Department) review development proposals for potential impacts to the provision of emergency services. Therefore, the Project's potential impacts concerning resulting in inadequate emergency access would be less than significant. This issue will not be further analyzed in the EIR.

4.18 TRIBAL CULTURAL RESOURCES

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

IMPACT ANALYSIS

18a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code §21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: i) Listed or eligible for listing in the California:

18a.i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code §5020.1(k)?

18a.ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code §5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code §5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Potentially Significant Impact. Past development has previously disturbed the Project site. Given the extent of onsite ground disturbances from previous development and the area's urbanized nature, there is low potential for the Project's ground-disturbing activities to encounter tribal cultural resources. Notwithstanding, the potential exists for accidental discovery of tribal cultural resources during ground-disturbing activities. The EIR will further evaluate these potential impacts.

4.19 UTILITIES AND SERVICE SYSTEMS

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

IMPACT ANALYSIS

19a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

19b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

19c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

19d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

19e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Potentially Significant Impact. The Project would increase utility usage and demands within the Project site, potentially resulting in the need to relocate or construct new utility facilities, insufficient water supplies, a determination by the wastewater provider of insufficient capacity, or excessive waste. The EIR will further evaluate these potential impacts.

4.20 WILDFIRE

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

IMPACT ANALYSIS

20a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

20b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

20c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other

utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

20d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact. According to California Department of Forestry and Fire Protection (CAL FIRE) Fire Hazard Severity Zone Map for Los Angeles County, the Project Site is not within a State Responsibility Area. The Project site is in a Non-Very High Fire Hazard Severity Zone (Non-VHFHSZ) within a local responsibility area.[38] The Project site and surrounding vicinity are relatively flat. Project design and site access would adhere to LACFD regulations and designs. Further, Project construction would not require the complete closure of any public or private streets during construction. Temporary construction activities would not impede use of the streets for emergencies or access for emergency response vehicles. The Project would tie into existing infrastructure that currently serves the Project site. Project implementation would not result in the construction, installation, or maintenance of new infrastructure that would exacerbate fire risk. Additionally, there are no known landslides near the site nor is the site in the path of any known or potential landslides. Therefore, no impacts related to wildfire would occur. These issues will not be further analyzed in the EIR.

[38] CalFire. (2011). *Los Angeles County FHSZ Map.* https://osfm.fire.ca.gov/media/7280/losangelescounty.pdf.

4.21 MANDATORY FINDINGS OF SIGNIFICANCE

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

IMPACT ANALYSIS

21a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

21b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

21c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Potentially Significant Impact. The Project would redevelop the Project site with approximately 8,650 SF of commercial uses and 80 DU, which could degrade the quality of the environment, result in cumulatively considerable impacts, or adverse effects on human beings. The EIR will further evaluate these potential impacts.

5.0 REFERENCES/SOURCES

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Appendix A

Preliminary Geotechnical Investigation

July 19, 2022
J.N.: 3027.00

Mr. Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, California 90249

Subject: **Update Letter, Proposed Industrial Development, 11709 Artesia Boulevard, Artesia, California.**

Reference: *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California*, prepared by Albus & Associates, Inc., dated December 7, 2021.

Preliminary Geotechnical Investigation for Proposed Water Quality Improvements, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California, prepared by Albus & Associates, Inc., dated May 5, 2022.

Dear Mr. Gardner,

Pursuant to your request, ***Albus & Associates, Inc***, is providing an update letter to our above-referenced reports. We understand the previous structures have been demolished and the site is now vacant.

This proposed development is generally the same as the proposed development discussed in our above-referenced reports. The conclusions and recommendations in the referenced reports remain valid and applicable to the current proposed project.

Per our referenced report dated May 5, 2022, infiltration of storm water is not feasible and the demolition of the previous structures has not altered that conclusion.

Additionally, the demolition of the previous structures has likely disturbed the upper 1 to 2 feet of the existing subsurface soils. Per our referenced report dated December 7, 2021, we have recommended the existing ground be prepared by removing and recompacting the existing artificial fill soils which extend to depths of 2 feet or more. Therefore, soils disturbed by demolition are anticipated to be included by this recommendation and no modifications to our recommendations are required. The exposed subgrade from demolition operations should conform the Site Clearing section (Section 6.1.3) of our referenced report dated December 7, 2021.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this correspondence, please do not hesitate to call our office.

Sincerely,

ALBUS & ASSOCIATES, INC.

Paul Hyun Jin Kim
Associate Engineer
GE 3106

December 7, 2021
J.N.: 3027.00

Mr. Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, California 90249

Subject: **Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California**

Dear Mr. Gardner,

Pursuant to your request, ***Albus & Associates, Inc***. is pleased to present to you our preliminary geotechnical investigation report for the proposed development at the subject site. This report presents the results of our aerial photo and literature review, subsurface exploration, laboratory testing, and engineering analyses. Conclusions relevant to the feasibility of the proposed site development and recommendations for site development are also presented herein based on the findings of our work.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS & ASSOCIATES, INC.

David E. Albus
Principal Engineer

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1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The purposes of our preliminary geotechnical investigation were to evaluate geotechnical conditions within the project area and to provide conclusions and recommendations relevant to the design and construction of the proposed improvements at the subject site. The scope of this investigation included the following:

- Review of the historical aerial photographs;
- Review of published geologic and seismic data for the site and surrounding area;
- Exploratory drilling and soil sampling;
- Laboratory testing of selected soil samples;
- Engineering analyses of data obtained from our review, exploration, and laboratory testing;
- Evaluation of site seismicity, liquefaction potential, and settlement potential; and,
- Preparation of this report

1.2 SITE LOCATION AND DESCRIPTION

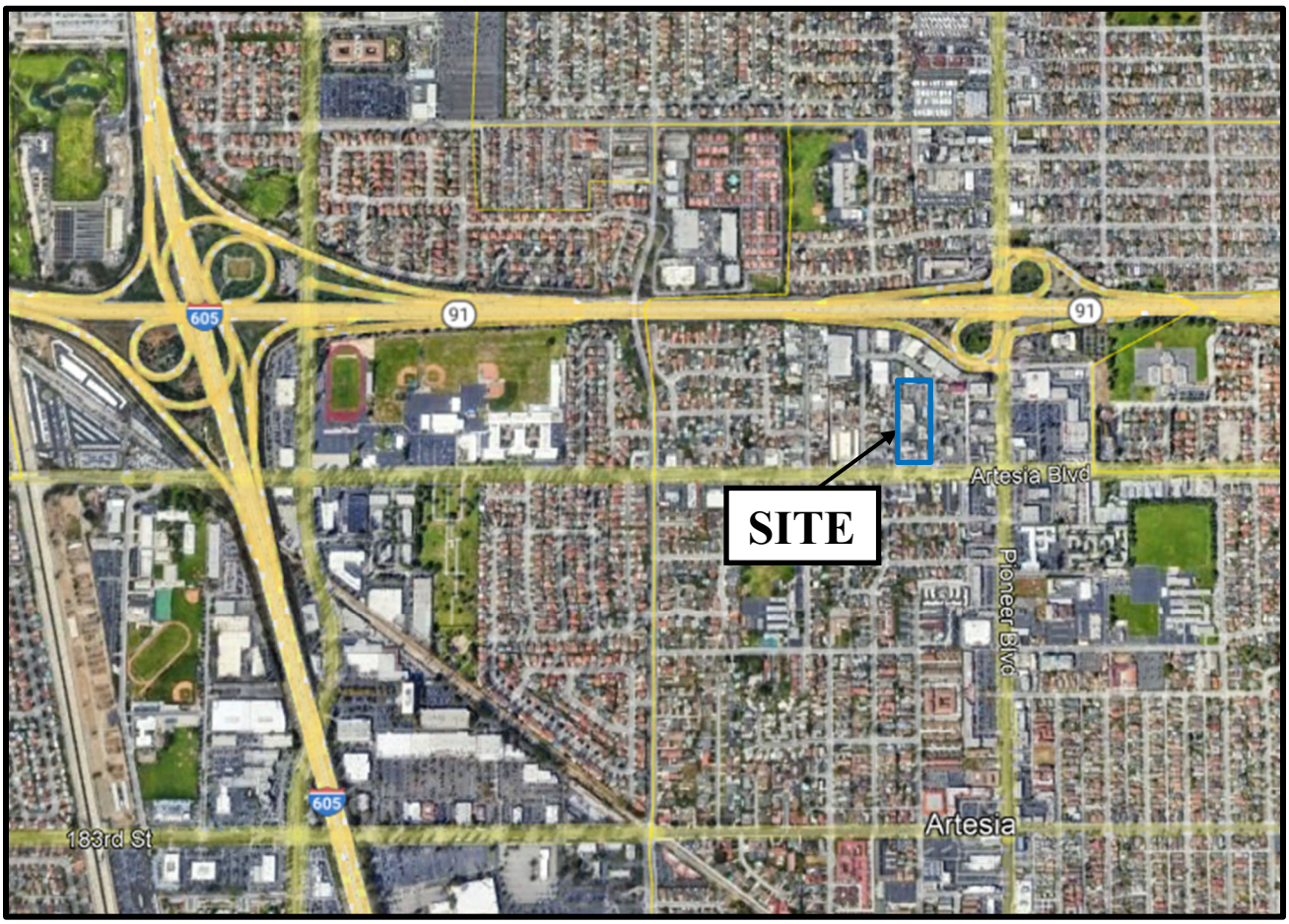
The site is located at the address of 11709 Artesia Boulevard within the city of Artesia, California. The site is bordered by Artesia Boulevard to the south, Fallon Avenue to the west, Alburtis Avenue to the east, and a commercial building and surface parking lots to the north. The location of the site and its relationship to the surrounding areas are shown in Figure 1, Site Location Map.

The site consists of approximately 3.33 acres of land with several industrial buildings, above-ground tanks, processing equipment, and above-ground piping. The remainder of the site consists of asphalt- and concrete-covered paving.

1.3 PROPOSED DEVELOPMENT

Based on the project brochure prepared by Colliers, we understand that the proposed development will likely consist of one or two new industrial buildings at-grade parking as well as associated interior driveways, parking, underground utilities, and decorative hardscape and landscape areas.

No grading or structural plans were available in preparing this report. However, we anticipate that minor rough grading of the site will be required to achieve future surface configuration. Structural loads are anticipated to typically consist of 250 kips for columns and 6 kips/ft for walls.



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SITE LOCATION MAP

G3 Urban
11709 Artesia Boulevard,
Artesia, California

NOT TO SCALE

FIGURE 1

2.0 INVESTIGATION

2.1 RESEARCH

We have reviewed the referenced geologic publications and maps (see references). Data from these sources were utilized to develop some of the findings and conclusions presented herein.

We have also reviewed available historical aerial photographs. The aerial photos indicate that as early as 1967, the subject site was developed with industrial facilities. The site has remained relatively unchanged since 1967.

2.2 SUBSURFACE EXPLORATION

Subsurface exploration for this investigation was conducted on November 2, 2021 and consisted of drilling three (3) soil borings to depths ranging from approximately 11.5 to 51.5 feet below the existing ground surface (bgs) and advancing four (4) Cone Penetration Tests (CPTs) to a depth of 50 feet bgs. The borings were drilled using a truck-mounted, continuous flight, hollow-stem-auger drill rig. A representative of Albus & Associates, Inc. logged the exploratory borings. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented in the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations and CPT soundings completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed, and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory borings for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

2.3 LABORATORY TESTING

Selected samples obtained from our subsurface exploration were tested in our soil laboratory. Tests consisted of maximum dry density and optimum moisture content, in-situ moisture content and dry density, expansion index, soluble sulfate content, direct shear, consolidation/collapse potential, grain-size distribution analysis, percent passing No. 200 sieve, direct shear strength, corrosivity testing (pH, chloride, and resistivity), and Atterberg limits. A description of laboratory test criteria and test results are presented in Appendix B.

3.0 SUBSURFACE CONDITIONS

3.1 SOIL CONDITIONS

Descriptions of the earth materials encountered during our investigation are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the subject site consisted of approximately 2 feet of artificial fill over alluvial soils. The artificial fill is predominately comprised of grayish brown sandy silt and silty sand. These fill materials typically were observed to be damp to moist and medium dense.

Underlying the artificial fills are native soils consisting of young alluvial fan deposits (Qyf_a). The alluvial fan deposit materials were encountered to the maximum depth explored of 51.5 feet and are comprised of grayish brown to light gray, interlayered silty sand and sand that are damp to wet and loose to very dense. Occasional lenses and layers of sandy silt are also present that are generally very moist to wet and firm to very stiff.

3.2 GROUNDWATER

Groundwater was encountered during this firm's subsurface exploration at a depth of 14 feet. The CDMG Special Report 019 suggests that historic high groundwater for the subject site is below 10 feet.

3.3 FAULTING

Based on our review of the referenced publications and seismic data, no active faults are known to project through or immediately adjacent to the subject sites and the site does not lie within an "Earthquake Fault Zone" as defined by the State of California in Earthquake Fault Zoning Act. Table 3.1 summarizes the known seismically active faults within 10 miles of the sites based on the 2008 USGS National Seismic Hazard Maps.

TABLE 3.1
Summary of Faults

Name	Dist. (miles)	Slip Rate (mm/yr.)	Preferred Dip (degrees)	Slip Sense	Rupture Top (km)	Fault Length (km)
Puente Hills (Coyote Hills)	2.67	0.7	26	thrust	2.8	17
Puente Hills (Santa Fe Springs)	2.82	0.7	29	thrust	2.8	11
Newport Inglewood Connected alt 2	6.87	1.3	90	strike slip	0	208
Newport-Inglewood, alt 1	6.95	1	88	strike slip	0	65
Newport Inglewood Connected alt 1	6.95	1.3	89	strike slip	0	208
Puente Hills (LA)	7.01	0.7	27	thrust	2.1	22
Elsinore;W+GI+T+J+CM	8.40	n/a	84	strike slip	0	241
Elsinore;W+GI	8.40	n/a	81	strike slip	0	83
Elsinore;W+GI+T	8.40	n/a	84	strike slip	0	124
Elsinore;W+GI+T+J	8.40	n/a	84	strike slip	0	199
Elsinore;W	8.40	2.5	75	strike slip	0	46

4.0 ANALYSES

4.1 SEISMICITY

2019 CBC requires seismic parameters in accordance with ASCE 7-16. Unless noted otherwise, all section numbers cited in the following refer to the sections in ASCE 7-16.

Per Section 20.3 the project site was designated as Site Class D. We used the OSHPD seismic hazard tool to obtain the basic mapped acceleration parameters, including short periods (S_S) and 1-second period (S_1) MCE_R Spectral Response Accelerations. Section 11.4.8 requires site-specific ground hazard analysis for structures on Site Class E with S_S greater than or equal to 1.0 or Site Class D or E with S_1 greater than or equal to 0.2. Based on the mapped values of S_S and S_1 the project site falls within this category, requiring site-specific hazard analysis in accordance with Section 21.2.

However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient Cs is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." Assuming this exception is met for this project, a ground motion hazard analysis is not required and mapped seismic values can be used. Should this exception not be met, a ground motion hazard analysis is required to determine the Design response spectra for the proposed structures at this site. Both mapped and site-specific seismic design parameters are provided in this report, as presented in Section 6.2. Details of a ground motion hazard analysis are explained below.

According to Section 21.2.3 (Supplement 1), the site-specific Risk Targeted Maximum Considered Earthquake (MCER) spectral response acceleration at any period is the lesser of the probabilistic and the deterministic response accelerations, subject to the exception specified in the same section. The probabilistic response spectrum was developed using the computer program OpenSHA (Field et al., 2013), which implements Method 1 as described in Section 21.2.1.1. Fault Models 3.1 and 3.2 from the Third Uniform California Earthquake Rupture Forecast (UCERF3) were used as the earthquake rupture forecast models for the PSHA. In addition to known fault sources, background seismicity was also included in the PSHA. The ground motion Prediction Equations (GMPEs) selected for use in this analysis are those developed for the Pacific Earthquake Engineering Research Center (PEER) Next Generation Attenuation (NGA) West 2 project. Four GMPEs - Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014), and Chiou and Youngs (2014) were used to perform the analysis.

In accordance with Section 21.2.2 (Supplement 1), the deterministic spectral response acceleration at each period was calculated as the 84th percentile, 5% damped response acceleration, using NGA-West2 GMPE Worksheet. For this, the information from at least three causative faults with the greatest contribution per deaggregation analysis were used and the larger acceleration spectrum among these was selected as the deterministic response spectrum. The deterministic spectrum was adjusted per requirements in Section 21.2.2 (Supplement 1) where applicable. Both probabilistic and deterministic spectra were subjected to the maximum direction scale factors specified in Section 21.2 to produce the maximum acceleration spectra.

Design response spectrum was developed by subjecting the site-specific MCE_R response spectrum to the provisions outlined in Section 21.3. This process included comparison with 80% code-based

design spectrum determined in accordance with Section 11.4.6. The short period and long period site coefficients (Fa and Fv, respectively) were determined per Section 21.3 in conjunction with Table 11.4-1. Site-specific design acceleration parameters (S_{MS}, S_{M1}, S_{DS}, and S_{D1}) were calculated according to Section 21.4.

Per Section 11.2 (definitions on Page 79 of ASCE7-16) for evaluation of liquefaction, lateral spreading, seismic settlements, and other soil-related issues, Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration PGA_M shall be used. The site-specific PGA_M is calculated per Section 21.5.3, as the lesser of the probabilistic PGA_M (Section 21.5.1) and deterministic PGA_M (Section 21.5.2), but no less than 80% site modified peak ground acceleration, PGA_M, obtained from OSHPD seismic hazard tool. From our analyses, we obtain a PGA_M of 0.662g.

4.2 STATIC SETTLEMENT

Analyses were performed to estimate the maximum static settlement due to the anticipated maximum foundation loads. The analyses were based on the results of subsurface exploration and laboratory testing conducted at the site. Settlements were calculated based on the elastic method using the sampler blow counts to estimate the elastic property of the soils. Stresses induced by the footings were based on a Boussinesq distribution.

Settlement of the proposed buildings will depend on the magnitude of the structural loads. Assuming a column load of 250 kips, bearing pressure of 4,000 psf, and footing depth of 2 foot, total static settlement of a column footing is estimated to be 0.9 inches. A continuous footing that supports a load of 6 kips/ft, bearing pressure of 3,000 psf, 2 feet wide, and 2 feet deep is estimated to have a total static settlement of 0.5 inches.

4.3 LIQUEFACTION

Engineering research of soil liquefaction potential (Youd et al., 2001) indicates that generally three basic factors must exist concurrently in order for liquefaction to occur. These factors include:

- A source of ground shaking, such as an earthquake, capable of generating soil mass distortions.
- A relatively loose silty and/or sandy soil.
- A relative shallow groundwater table (within approximately 50 feet below ground surface) or completely saturated soil conditions that will allow positive pore pressure generation.

The site is located within a State-designated zone of potentially liquefiable soils. As a result, we conservatively have evaluated the potential for liquefaction.

The liquefaction susceptibility of the onsite soils was evaluated by analyzing the potential concurrent occurrence of the above-mentioned three basic factors. The liquefaction evaluation for the site was completed under the guidance of Special Publication 117A: Guidelines for Evaluating and Mitigating Seismic Hazards in California (CDMG, 2008).

Our liquefaction analyses were based on the field test data results from our CPT data. The liquefaction analyses were performed utilizing the CLiq software by GeoLogismiki. Among the methods available in this program for analysis of liquefaction potential, Robertson (NCEER 2001, 2009) was used for

the current project. The seismic event was defined by peak ground acceleration PGA of 0.73 and mean moment magnitude of 6.83. The historic-high groundwater level, which is used as the design level for evaluation of liquefaction potential, is taken at a depth of 10 feet below ground surface, as discussed in Section 3.2.

Based on our analyses, several sublayers below the assumed shallowest groundwater level of 10 feet have a factor of safety less than 1.3 and are therefore considered prone to liquefaction during the design earthquake event. Liquefaction analyses are provided in Appendix C.

4.4 SEISMIC-INDUCED SETTLEMENT

To quantify the consequences of liquefaction at the site, seismic-induced settlement has been evaluated using the four CPT soundings. Robertson (NCEER 2001 and 2009) method was used for this evaluation.

Analyses were performed to evaluate the potential for seismic settlement from saturated liquefied and unsaturated dry soils. The calculated seismic-induced settlements of saturated soil using various methods for CPT analysis are ranging from 3.7 to 5.3 inches. Liquefaction induced-settlement analyses are provided in Appendix C.

Seismic-induced settlement can occur both above and below the groundwater table during a strong seismic event. We have estimated the dry seismic settlement using the Robertson and Shao (2010) Method. The total seismic dry settlement we calculated ranges from 0 to 0.2 inches.

5.0 CONCLUSIONS

5.1 FEASIBILITY OF PROPOSED DEVELOPMENT

From a geotechnical point of view, the proposed site development is considered feasible provided the recommendations presented in this report are incorporated into the design and construction of the project. Furthermore, it is also our opinion that the proposed development will not adversely impact the stability of adjoining properties.

5.2 GEOLOGIC HAZARDS

5.2.1 Ground Rupture

No known active faults are known to project through the subject sites nor do the sites lie within the boundaries of an “Earthquake Fault Zone” as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. The closest known active fault is the Puente Hills (Coyote Hills) fault located approximately 2.7 miles to the northeast. Therefore, potential for ground rupture due to an earthquake beneath the sites is considered low.

5.2.2 Ground Shaking

The site is situated in a seismically active area that has historically been affected by generally moderate to occasionally high levels of ground motion. The site lies in relatively close proximity to several seismically active faults; therefore, during the life of the proposed improvements, the property will

probably experience similar moderate to occasionally high ground shaking from these fault zones, as well as some background shaking from other seismically active areas of the Southern California region. Design and construction in accordance with the current California Building Code (CBC) requirements are anticipated to address the issues related to potential ground shaking.

5.2.3 Landsliding

Geologic hazards associated with landsliding are not anticipated at the site since the site is relatively level.

5.2.4 Liquefaction

Our analyses indicate liquefaction could in soils located below a depth of 10 feet if groundwater were to rise to shallowest historic levels concurrent with a strong ground motion. Liquefaction could lead to a total seismic settlement (saturated and dry) of the ground surface of up to 5.3 inches due to seismic consolidation during liquefaction. The differential settlement due to seismic settlement would likely be on the order of ½ of the total seismic settlement or approximately 2.7 inches over 30 feet. Lateral spreading is not a significant risk at the site in consideration of the relatively flat site topography and lack of an nearby channel face or slope.

Based on the State of California Special Publication (SP) 117A, the seismic-induced settlement at the site does not fall within the Level of Liquefaction Hazard of "Large-scale Displacements." "Large scale Displacements" are defined as those that ***exceed*** 1-3 feet horizontally and 4-6 inches vertically. Therefore, the Level of Liquefaction Hazard is classified as a "Localized Failure." One of the suitable mitigation alternatives presented in the SP 117A for Localized Failures is the use of reinforced shallow foundations and improved structural design to withstand predicted vertical and lateral ground displacements.

The SP 117A also stated that hazards from liquefaction should be mitigated to the extent required to reduce seismic risk to "acceptable levels." The acceptable level of risk means, "that level that provides reasonable protection of the public safety" [California Code of Regulations Title 14, Section 3721 (a)]. The use of well-reinforced foundations, such as post-tensioned slabs, grade beams with structural slabs, or mat foundations have been proven to adequately provide basal support for similar structures during comparable liquefaction events. Specific recommendations to mitigate risks associated with liquefaction are provided in Section 6.3.

5.3 STATIC SETTLEMENT

As discussed in Section 4.2, analyses were performed to evaluate potential for static settlement of the underlying alluvium. Provided site grading is performed in accordance with the recommendations provided herein and based on the anticipated foundation loads, total and differential static settlement is not anticipated to exceed 1 inch and ½-inch over 30 feet, respectively, for the proposed commercial buildings. The estimated magnitudes of static settlements are considered within tolerable limits for the proposed structure.

5.4 EXCAVATION AND MATERIAL CHARACTERISTICS

Onsite earth materials are anticipated to be relatively easy to excavate with conventional heavy earthmoving equipment. The site earth materials are generally considered suitable for reuse as fill provided, they are cleared on deleterious debris and oversized rocks (greater than 4 inches in greatest dimension). Site materials are generally near the optimum moisture content. As such, fill soils derived from onsite soils will likely require the addition of nominal amounts of water and mixing in preparation for reuse as compacted fill.

Temporary construction slopes will be required to complete removal of unsuitable soils and for construction of underground utilities. Such excavations will require laybacks where they are surcharged or where they exceed 4 feet in height. Specific recommendations are provided in Section 6.1.8.

If encountered, portions of concrete debris and asphalt can likely be reduced in size (4 inches minus) and incorporated within fill soils during earthwork operations.

If onsite disposal systems, clarifiers, and other underground improvements are present beneath the site, these improvements will require proper abandonment or removal per the City guidelines.

5.5 SHRINKAGE AND SUBSIDENCE

Volumetric changes in earth quantities will occur when excavated onsite soil materials are replaced as properly compacted fill. We estimate that the near surface soils will shrink about 5 to 10 percent when removed and replaced as compacted fill. Subsidence due to reprocessing of removal bottoms is anticipated to be about 0.05 feet. The estimates of shrinkage and subsidence are intended as an aid for project engineers in determining earthwork quantities. However, these estimates should be used with some caution since they are not absolute values. Contingencies should be made for balancing earthwork quantities based on actual shrinkage and subsidence that occurs during the grading process.

5.6 SOIL EXPANSION

Based on our laboratory test results and the USCS visual manual classification, the near-surface soils are generally anticipated to possess a **Low** expansion potential. Additional testing for soil expansion will be required prior to construction of foundations and other concrete work to confirm these conditions.

6.0 RECOMMENDATIONS

6.1 EARTHWORK

6.1.1 General Earthwork and Grading Specifications

All earthwork and grading should be performed in accordance with applicable requirements of Cal/OSHA, applicable specifications of the Grading Codes of the City of Artesia, California in addition to the recommendations presented herein.

6.1.2 Pre-Grade Meeting and Geotechnical Observation

Prior to commencement of grading, we recommend a meeting be held between the developer, City Inspector, grading contractor, civil engineer, and geotechnical consultant to discuss the proposed grading and construction logistics. We also recommend a geotechnical consultant be retained to provide soil engineering and engineering geologic services during site grading and foundation construction. This is to observe compliance with the design specifications and recommendations and to allow for design changes in the event that subsurface conditions differ from those anticipated. If conditions are encountered that appear to be different than those indicated in this report, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

6.1.3 Site Clearing

Areas to be graded should be cleared of vegetation, existing asphalt and concrete, underground improvements to be abandoned and deleterious materials. Existing underground utility lines within the project area that will be protected in place and that fall within a 1 to 1 (H:V) plane projected down from the edges of footings may be subject to surcharge loads. Under such conditions, this office should be made aware of these conditions for evaluation of potential surcharging. Supplemental recommendations may be required to protect such improvements in place.

The project geotechnical consultant should be notified at the appropriate times to provide observation services during clearing operations to verify compliance with the above recommendations. Voids created by clearing and excavation should be left open for observation by the geotechnical consultant. Should any unusual soil conditions or subsurface structures be encountered during site clearing or grading that are not described or anticipated herein, these conditions should be brought to the immediate attention of the project geotechnical consultant for corrective recommendations as needed.

Temporary construction equipment (office trailers, power poles, etc.) should be positioned to allow adequate room for clearing and recommended ground preparation to be performed for proposed structures, pavements, and hardscapes.

6.1.4 Ground Preparation

In general, the artificial fill is considered unsuitable for support of the proposed development. Based on our exploratory borings, the depth of the artificial fill material is anticipated to be about 2 feet in depth. However, deeper fills are expected in the areas of the previous site improvements (i.e. utility lines) and where the current buildings and structures are located. All artificial fill soils should be removed to expose the underlying alluvial soils within the limits of the structures (buildings and site walls) and paving.

Removal of unsuitable materials should extend laterally beyond the limits of the proposed buildings a distance equal to the depth of removal (i.e. 1:1 projection) but not less than 5 feet. Removals within pavements and footings for site walls may be limited to the edge of foundations or pavement where lateral restrictions to removals are present such as property lines.

All removal and overexcavations should be evaluated by the geotechnical consultant during grading to confirm the exposed conditions are as anticipated and to provide supplemental recommendations if required.

6.1.5 Scarification

Prior to placement of compacted fill, the exposed ground should be scarified to a depth of 6 to 8 inches, moisture conditioned to at least 110 percent of the optimum moisture content, then compacted to at least 90 percent of the laboratory standard. The laboratory standard for maximum dry density and optimum moisture content for each soil type should be determined in accordance with ASTM D 1557.

6.1.6 Fill Placement

Materials excavated from the site may be reused as fill provided, they are free of deleterious materials and particles greater than 4 inches in maximum dimension (oversized materials). Asphaltic and concrete debris generated during site demolition or encountered within the existing fill can be incorporated within new fill soils during earthwork operations provided they are reduced to no more than 4 inches in maximum dimension. Such materials should be mixed thoroughly with fill soils to prevent nesting. All fill should be placed in lifts no greater than 8 inches in loose thickness, moisture conditioned to at least 110% of optimum moisture content, then compacted in place to at least 90 percent of the laboratory standard. Each lift should be treated in a similar manner. Subsequent lifts should not be placed until the project geotechnical consultant has approved the preceding lift.

6.1.7 Import Materials

If import materials are required to achieve the proposed finish grades, the proposed import soils should have an Expansion Index (EI, ASTM D 4829) less than 20 and possess negligible soluble sulfate concentrations. Import sources should be indicated to the geotechnical consultant prior to hauling the materials to the site so that appropriate testing and evaluation of the fill materials can be performed in advance.

6.1.8 Temporary Excavations

Temporary construction slopes in site materials that are not surcharged may be cut vertically up to a height of 4 feet. Temporary excavations greater than 4 feet but no greater than 10 feet in height that are not surcharged should be laid back at a maximum gradient of 1:1 (H:V) or properly shored.

Excavations should not be left open for prolonged periods of time. The project geotechnical consultant should observe all temporary cuts to confirm anticipated conditions and to provide alternate recommendations if conditions dictate. All excavations should conform to the requirements of Cal/OSHA. The current removal requirement is 12 inches below existing grade and not expected to undermine the existing foundations. However, if deeper removals are required during grading and where insufficient room exists for recommended lay back cuts, shoring or slot cutting methods may be required. Additional recommendations for such conditions can be provided at that time based on the observed materials and subsequent lab testing.

6.2 SEISMIC DESIGN PARAMETERS

6.2.1 Mapped Seismic Design Parameters

For design of the project in accordance with Chapter 16 of the 2019 CBC, the mapped seismic parameters may be taken as presented in the tables below.

TABLE 6.1
2019 CBC Mapped Seismic Design Parameters

Parameter	Value
Site Class	D
Mapped MCE_R Spectral Response Acceleration, short periods, S_S	1.552
Mapped MCE_R Spectral Response Acceleration, at 1-sec. period, S_1	0.552
Site Coefficient, F_a	1.0
Site Coefficient, F_v	1.7445*
Adjusted MCE_R Spectral Response Acceleration, short periods, S_{MS}	1.552
Adjusted MCE_R Spectral Response Acceleration, at 1-sec. period, S_{M1}	0.968
Design Spectral Response Acceleration, short periods, S_{DS}	1.034
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	0.645
Long-Period Transition Period, T_L (sec.)	8
Seismic Design Category for Risk Categories I-IV	II

MCE_R = Risk-Targeted Maximum Considered Earthquake

*According to Section 11.4.8 in ASCE 7-16, "a ground motion hazard analysis shall be performed in accordance with Section 21.2 for the following structures on Site Class D and E sites with S_1 greater than or equal to 0.2." However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient C_s is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." The F_v value of 1.7 above from Table 11.4-2 assumes that this exception is met and that a ground motion hazard analysis is not required. Should this exception not be met, the site-specific seismic design parameters provided in the next section should be used.

6.2.2 Site-Specific Seismic Design Parameters

In addition to the Code Spectra parameters presented in Table 6.1, we have performed a site-specific ground motion hazard analysis in accordance with Chapter 21 of ASCE 7-16 to obtain site-specific seismic design acceleration parameters, the risk-targeted maximum considered earthquake response spectrum, and the design earthquake response spectrum. The site-specific seismic design parameters are presented below.

TABLE 6.2
2019 CBC Site Specific Seismic Design Parameters

Parameter	Value
Site Class	D
Site Coefficient, F_a	1.0
Site Coefficient, F_v	2.5
Adjusted MCE Spectral Response Acceleration, short periods, S_{MS}	1.833
Adjusted MCE Spectral Response Acceleration, at 1-sec. period, S_{M1}	1.822
Design Spectral Response Acceleration, short periods, S_{DS}	1.222
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	1.214

MCE = Maximum Considered Earthquake

6.3 CONVENTIONAL FOUNDATION DESIGN

6.3.1 General

As discussed in Section 5.2.4, the site is prone to liquefaction. To mitigate this condition, we recommend structures be supported by a foundation system consisting of a mat, post-tensioned slab, or spread footings tied together with a structural slab with grade beams. For this project, we have assumed the foundation system will utilize spread footings tied together with a structural slab with grade beams. Specific recommendations for this system is provided in the following sections. Recommendations for other systems can be provided upon request.

The following design parameters are provided to assist the project structural engineer to design foundations for structures at the site. These design parameters are based on typical site materials encountered during subsurface exploration and are provided for preliminary design and estimating purposes. The project geotechnical consultant should provide final design parameters following observation and testing of site materials during grading. Depending on actual materials encountered during site grading, the design parameters presented herein may require modification.

6.3.2 Soil Expansion

The recommendations presented herein are based on soils with a **Low** expansion potential. Following site grading, additional testing of site soils should be performed by the project geotechnical consultant to confirm the basis of these recommendations. If site soils with higher expansion potentials are encountered or imported to the site, the recommendations contained herein may require modification.

6.3.3 Static and Seismic Settlement

Based on anticipated foundation loads and provided that the recommendations for ground preparation in this report are followed, total and differential static settlement are anticipated to be less than 1 inch and ½ inch over 30 feet, respectively. These values are considered within tolerable limits of proposed structures and site improvements. Design of the structures should consider these maximum anticipated settlements.

6.3.4 Allowable Bearing Value

Foundations may utilize a bearing value of 2,000 pounds per square foot (psf) for continuous and pad footings a minimum width of 12 inches and founded at a minimum depth of 12 inches below the lowest adjacent grade. This value may be increased by 260 psf and 700 psf for each additional foot in width and depth, respectively, up to a maximum value of 4,000 psf. Recommended allowable bearing values include both dead and live loads may be increased by one-third for wind and seismic forces.

6.3.5 Lateral Resistance

For foundations that are founded in the native alluvial soils or compacted fill, a passive earth pressure of 300 pounds per square foot per foot of depth (psf/ft) up to a maximum value of 1,500 pounds per square foot (psf) may be used to determine lateral bearing for footings. This value may be increased by one-third when designing for wind and seismic forces. A coefficient of friction of 0.33 times the dead load forces may also be used between concrete and the supporting soils to determine lateral sliding resistance. No increase in the coefficient of friction should be used when designing for wind and seismic forces.

The above values are based on footings placed directly against compacted fill or competent native soils. In the case where footing sides are formed, all backfill against the footings should be compacted to at least 90 percent of the laboratory standard.

6.3.6 Footing Dimensions and Reinforcement

Exterior and interior pad footings should be founded at a minimum depth of 12 inches below the lowest adjacent grade and have a minimum width of 12 inches. All continuous footings should have a minimum depth of 12 inches below lowest adjacent grade and a minimum width of 12 inches.

All continuous footings should be reinforced with a minimum of four No. 5 bars, two top and two bottom. The structural engineer may require different reinforcement and should dictate if greater than the recommendations provided herein.

All isolated pad footings should be tied in both directions with a concrete grade beam to the nearest foundation. Grade beams should be at least 12 inches wide by 12 inches deep and be reinforced with four No. 5 bars, two top and two bottom. Reinforcing for the grade beams should tie into the adjacent footings.

6.3.7 Slabs on Grade

Interior concrete slabs constructed on grade should be a minimum 6 inches thick and should be reinforced with No. 3 bars spaced 18 inches each way. Care should be taken to ensure the placement of reinforcement at mid-slab height. The structural engineer may recommend a greater slab thickness and reinforcement based on proposed use and loading conditions and such recommendations should govern if greater than the recommendations presented herein. No. 4 tie bars should be provided between the slab and connecting grade beams at a spacing of 18 inches.

For consideration of point loading that may occur on the slab, a subgrade of modulus, K_{V1}, of 100 pci may be used.

Concrete floor slabs in areas to receive carpet, tile, or other moisture sensitive coverings should be underlain with a moisture vapor barrier 10-mil Visqueen, or equal. The membrane should be properly lapped, sealed, and protected with at least 2 inches of sand having an SE of 30 or more. This vapor barrier system is anticipated to be suitable for most flooring finishes that can accommodate some vapor emissions. However, this system may emit more than 4 pounds of water per 1000 sq. ft. and therefore, may not be suitable for all flooring finishes. Additional steps should be taken if such vapor emission levels are too high for anticipated flooring finishes.

Special consideration should be given to slabs in areas to receive ceramic tile or other rigid, crack-sensitive floor coverings. Design and construction of such areas should mitigate hairline cracking as recommended by the structural engineer.

Block-outs should be provided around interior columns to permit relative movement and mitigate distress to the floor slabs due to differential settlement that will occur between column footings and adjacent floor subgrade soils as loads are applied.

Prior to placing concrete, subgrade soils below slab-on-grade areas should be thoroughly moistened to provide a moisture content that is equal to or greater than 110% of the optimum moisture content to a depth of 12 inches.

6.3.8 Foundation Observations

Foundation excavation should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended above. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4 RETAINING AND SCREENING WALLS

6.4.1 General

The following preliminary design and construction recommendations are provided for general retaining and screen walls supported by engineered compacted fill or competent native soils. Final wall designs specific to the site development should be provided for review once completed. The structural engineer and architect should provide appropriate recommendations for sealing at all joints and applying moisture-proofing material on the back of the walls.

6.4.2 Allowable Bearing Value and Lateral Resistance

Design of retaining and screen walls may utilize the bearing and lateral resistance values provided in Sections 6.3.4 and **Error! Reference source not found.**.

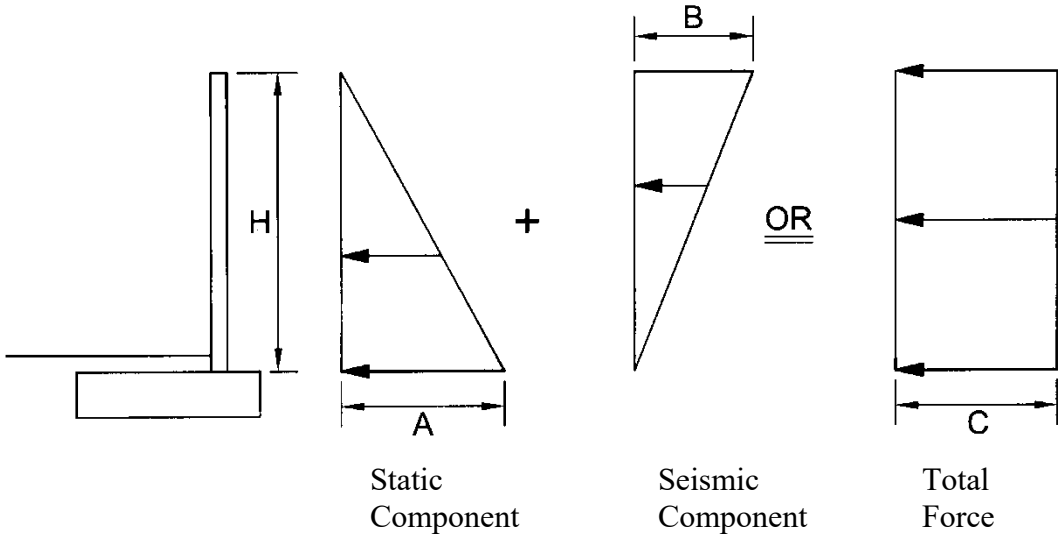
6.4.3 Active Earth Pressures

Static and seismic earth pressures for level and 2:1 (H:V) backfill conditions are provided in Table 6.3. Seismic earth pressures provided herein are based on the method provided by Seed & Whitman (1970) using a peak ground acceleration (PGA) of 0.42 g for 10% probability of exceedance in 50 years. As indicated in Section 1803.5.12 of the 2019 CBC, retaining walls supporting 10 feet of

backfill or less are not required to be designed for seismic earth pressures. The values provided in the following table do not consider hydrostatic pressure. Retaining walls should also be designed to support adjacent surcharge loads imposed by other nearby footings or traffic loads in addition to the earth pressure.

TABLE 6.3

SEISMIC EARTH PRESSURES
Pressure Diagram



Pressure Values
Walls Up To 10 Feet High

Value	Backfill Condition	
	Level	2H:1V Slope
A	33H	54H
B	12.5H	12.5H
C	23H	33.5H

Note:
H is in feet and resulting pressure is in psf. Design may utilize either the sum of the static component and the seismic component force diagrams or the total force diagram above. SEAOSC has suggested using a load factor of 1.7 for the static component and 1.0 for the seismic component. The actual load factors should be determined by the structural engineer.

6.4.4 Drainage and Moisture-Proofing

Retaining walls should be constructed with a perforated pipe and gravel subdrain to prevent entrapment of water in the backfill. The perforated pipe should consist of 4-inch-diameter, ABS SDR-

35 or PVC Schedule 40 with the perforations laid down. The pipe should be embedded in ¾- to 1½-inch open-graded gravel wrapped in filter fabric. The gravel should be at least one foot wide and extend at least one foot up the wall above the footing and drainage outlet. Drainage gravel and piping should not be placed below outlets and weepholes. Filter fabric should consist of Mirafi 140N, or equal. Outlet pipes should be directed to positive drainage devices.

The use of weepholes may be considered in locations where aesthetic issues from potential nuisance water are not a concern. Weepholes should be 2 inches in diameter and provided at least every 6 feet on center. Where weepholes are used, perforated pipe may be omitted from the gravel subdrain.

Retaining walls supporting backfill should also be coated with a moisture-proofing compound or covered with such material to inhibit infiltration of moisture through the walls. Moisture-proofing material should cover any portion of the back of wall that will be in contact with soil and should lap over and onto the top of footing. A drainage panel should be provided between the soil backfill and water proofing. The panel should extend from the top of the backdrain gravel up to within 12 inches of finish grade. The top of footing should be finished smooth with a trowel where moisture proofing-materials are applied to inhibit the infiltration of water through the wall. The project structural engineer should provide specific recommendations for moisture-proofing, water stops, and joint details.

6.4.5 Footing Reinforcement and Wall Jointing

All continuous footings should be reinforced with a minimum of two No. 4 bars, one top and one bottom. Walls should be provided with cold joints spaced no more than 20 feet apart. Wall finishes and capping materials should not extend across the cold joint. The structural engineer may require different reinforcement or jointing and should dictate if greater than the recommendations provided herein. Where recommended removals are limited due to space restrictions, greater reinforcement and closer jointing may be recommended. Specific recommendations should be provided by the geotechnical consultant during grading based on as-built conditions exposed in the field.

6.4.6 Foundation Observations

Footing excavations should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended herein. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.5 EXTERIOR FLATWORK

Exterior flatwork should be a minimum 4 inches thick. Cold joints or saw cuts should be provided at least every 7 feet in each direction. Flatwork having a minimum dimension more than 7 feet should be reinforced with No. 3 bars spaced 18 inches center to center each way or 6-inch by 6-inch, W4 by W4 welded wire mesh. Special jointing detail should be provided in areas of block-outs, notches, or other irregularities to avoid cracking at points of high stress. Subgrade soils below flatwork should be thoroughly moistened to at least 110 percent of the optimum moisture content to a depth of 12 inches. Moistening should be accomplished by lightly spraying the area over a period of a few days just prior to pouring concrete. The geotechnical consultant should observe and verify the density and moisture

content of subgrade soils prior to pouring concrete to ensure that the required compaction and pre-moistening recommendations have been met.

Drainage from flatwork areas should be directed to local area drains and/or other appropriate collection devices designed to carry runoff water to the street or other approved drainage structures. The concrete flatwork should also be sloped at a minimum gradient of 0.5 percent away from building foundations and retaining walls.

6.6 CONCRETE MIX DESIGN

Laboratory testing of near-surface soils for soluble sulfate content indicates soluble sulfate concentration of 0.002%. We recommend following the procedures provided in ACI 318, Section 19.3.1, Table 19.3.1.1 for **S0** sulfate exposure. Upon completion of rough grading, an evaluation of as-graded conditions and further laboratory testing should be completed for the site to confirm or modify the recommendations provided in this section.

6.7 CORROSION

Results of preliminary testing of soils for pH, chloride, and minimum resistivity indicate the site is potentially **Highly Corrosive** to metals that are in contact or close proximity to onsite soils. As such, specific recommendations should be obtained from a corrosion specialist if construction will include metals that will be near or in direct contact with site soils.

6.8 PRELIMINARY PAVEMENT DESIGN

6.8.1 Preliminary Pavement Structural Sections

Based on the soil conditions present at the site and an estimated traffic index, preliminary pavement sections are provided in the table below. A laboratory tested "R-value" of 33 was used for the near-surface soil in this preliminary pavement design. The sections provided below are for planning purposes only and should be re-evaluated subsequent to site grading. Final pavement sections should be based on actual R-value testing of in-place soils and analysis of anticipated traffic.

6.8.2 Subgrade Preparation

Prior to placement of paving elements, subgrade soils should be scarified 6 inches, moisture-conditioned to above the optimum moisture content then compacted to at least 90 percent of the maximum dry density determined in accordance with ASTM D1557. Areas observed to pump or yield under vehicle traffic should be removed and replaced with firm and unyielding engineered compacted soil or aggregate base materials.

6.8.3 Aggregate Base

Aggregate base materials should be Crushed Aggregate Base or Crushed Miscellaneous Base conforming to Section 200-2 of the Standard Specification for Public Works Construction (Greenbook) or Class 2 Aggregate Base conforming to the Caltrans' Standard Specifications. The materials should be moisture conditioned to slightly over the optimum moisture content then compacted to at least 95 percent of ASTM D 1557.

TABLE 6.4
PRELIMINARY PAVEMENT STRUCTURAL SECTIONS

Location	Traffic Index	AC (inches)	PCC (inches)	AB (inches)
Truck Drive Areas	7.5	4.0	--	11.0
		--	8.0	--
Parking Drives	5.0	3.0	--	5.0
		--	5.0	--
Parking Stalls	--	3.0	--	5.0

6.8.4 Asphaltic Concrete

Paving asphalt should be PG 64-10 conforming to the requirements of Section 203-1 of the Greenbook. Asphalt concrete materials should conform to Section 203-6 and construction should conform to Section 302 of the Greenbook.

6.8.5 Portland Cement Concrete

Portland cement concrete used to construct concrete paving should conform to Section 201 of the Greenbook and should have a minimum compressive strength of 3,250 pounds per square inch (psi) at 28 days. Reinforcement and jointing of concrete pavement sections should be designed according to the minimum recommendations provided by the Portland Cement Association (PCA). For rigid pavement, transverse and longitudinal contraction joints should be provided at spacing no greater than 15 feet. Score joints may be constructed by saw cutting to a depth of ¼ of the slab thickness. Expansion/cold joints may be used in lieu of score joints. Such joints should be properly sealed. Where traffic will traverse over cold joints without keyways or dowels or edges of concrete paving, the edges should be thickened by 20% of the design thickness toward the edge over a horizontal distance of 5 feet.

6.9 POST GRADING CONSIDERATIONS

6.9.1 Site Drainage and Irrigation

The ground immediately adjacent to foundations should be provided with positive drainage away from the structures in accordance with 2019 CBC, Section 1804.4. Based on soil and climatic conditions, the ground slope within 10 feet of the buildings may be reduced to 2%. No rain or excess water should be allowed to pond against structures such as walls, foundations, flatwork, etc.

Excessive irrigation water can be detrimental to the performance of the proposed site development. Water applied in excess of the needs of vegetation will tend to percolate into the ground. Such percolation can lead to nuisance seepage and shallow perched groundwater. Seepage can form on slope faces, on the faces of retaining walls, in streets, or other low-lying areas. These conditions could lead to adverse effects such as the formation of stagnant water that breeds insects, distress or damage of trees, surface erosion, slope instability, discoloration and salt buildup on wall faces, and premature

failure of pavement. Excessive watering can also lead to elevated vapor emissions within buildings that can damage flooring finishes or lead to mold growth inside the home.

Key factors that can help mitigate the potential for adverse effects of overwatering include the judicious use of water for irrigation, use of irrigation systems that are appropriate for the type of vegetation and geometric configuration of the planted area, the use of soil amendments to enhance moisture retention, use of low-water demand vegetation, regular use of appropriate fertilizers, and seasonal adjustments of irrigation systems to match the water requirements of vegetation. Specific recommendations should be provided by a landscape architect or other knowledgeable professional.

6.9.2 Utility Trenches

Trench excavations should be constructed in accordance with the recommendations contained in Section 6.1.8 of this report. Trench excavations must also conform to the requirements of Cal/OSHA.

Trench backfill materials and compaction criteria should conform to the requirements of the local municipalities. As a minimum, utility trench backfill should be compacted to at least 90 percent of the laboratory standard. Materials placed within the pipe zone (6 inches below and 12 inches above the pipe) should consist of particles no greater than ¾ inches and have a SE of at least 30. The materials within the pipe zone should be moisture-conditioned and compacted by hand-operated compaction equipment. Above the pipe zone (>1 foot above pipe), the backfill may consist of general fill materials. Trench backfill should be moisture-conditioned to slightly over the optimum moisture content, placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. For trenches with sloped walls, backfill material should be placed in lifts no greater than 8 inches in loose thickness, and then compacted by rolling with a sheepsfoot roller or similar equipment. The project geotechnical consultant should perform density testing along with probing to verify that adequate compaction has been achieved.

Within shallow trenches (less than 18 inches deep) where pipes may be damaged by heavy compaction equipment, imported clean sand having a SE of 30 or greater may be utilized. The sand should be placed in the trench, thoroughly watered, and then compacted with a vibratory compactor. For utility trenches located below a 1:1 (H:V) plane projecting downward from the outside edge of the adjacent footing base or crossing footing trenches, concrete or slurry should be used as trench backfill.

6.10 PLAN REVIEW AND CONSTRUCTION SERVICES

We recommend ***Albus & Associates, Inc.*** be engaged to review any future development plans, including civil plans (grading plans), foundation plans, and proposed structural loads, prior to construction. This is to verify that the assumptions of this report are valid and that the preliminary conclusions and recommendations contained in this report have been properly interpreted and are incorporated into the project plans and specifications. If we are not provided the opportunity to review these documents, we take no responsibility for misinterpretation of our preliminary conclusions and recommendations.

We recommend that a geotechnical consultant be retained to provide soil engineering services during construction of the project. These services are to observe compliance with the design, specifications

or recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

If the project plans change significantly from the assumed development described herein, the project geotechnical consultant should review our preliminary design recommendations and their applicability to the revised construction. If conditions are encountered during construction that appear to be different than those indicated in this report or subsequent design reports, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

7.0 LIMITATIONS

This report is based on the proposed development and geotechnical data as described herein. The materials encountered on the project site and utilized in our laboratory testing for this investigation are believed representative of the total project area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observation and testing by a geotechnical consultant during the grading and construction phases of the project are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein.

This report has been prepared for the exclusive use of **G3 Urban Company** and their project consultants in the planning and design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

Respectfully submitted,

ALBUS & ASSOCIATES, INC.

Eung Jin Jeon, Ph.D.
Associate Engineer
G.E. 3096

Reviewed by:

David E. Albus
Principal Engineer
G.E. 2445

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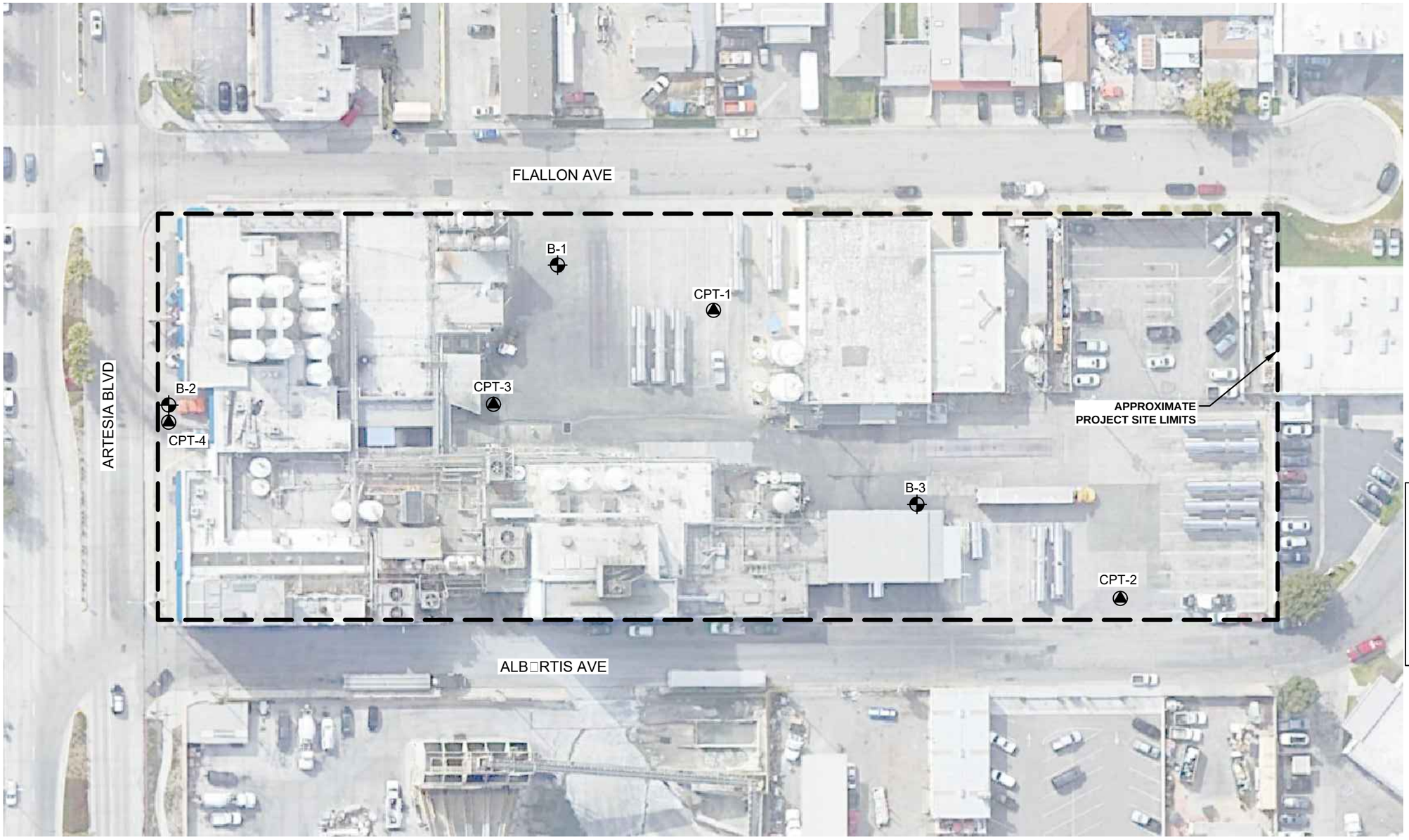


Google 2021

0 30 60 120

APPROX SCALE : 1" □ 60□

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- CPT

ALBUS ASSOCIATES

GEOTECHNICAL MAP

Job No.: 3027.00	Date: 12/07/2021	Plate: 1

APPENDIX A

EXPLORATION LOGS AND CONE PENETRATION TEST RESULTS

Field Identification Sheet

Light gray

Gray

Dark gray

Gray Brown

Light brown

Brown

Dark Brown

Olive brown

Olive

Yellow

Yellowish brown

Yellowish red

Red

Reddish Brown

Tan

Description Order:

Description, Color, Moisture, Density, Grain Size, Additional Description

Description	%	Example
	0-5	Sand
trace	5-15	Sand trace Silt
with	15-30	Sand with Silt
	30+	Silty Sand

More Examples

Sand with Silt trace Clay

Sand trace Silt and Clay

Sand with Silt and Clay

Gravelly Sand with Silt trace Clay

Silty Clay with Sand trace Gravel

Moisture

Dry	absence of water
Damp	below optimum
Moist	near optimum
Very Moist	above optimum
Wet	free water visible

Density (Navfac)

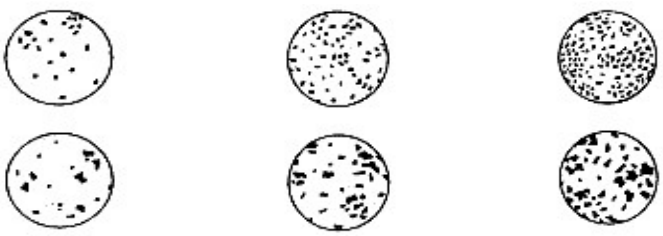
Coarse grained soils	SPT	CA
Very Loose	0-3	0-5
Loose	3-8	5-13
Medium Dense	8-14	13-22
Dense	14-25	22-40
Very Dense	25>	40>
Fine grained soils		
Very Soft	2<	0-3
Soft	2-4	3-6
Medium Stiff	4-8	6-13
Stiff	8-15	13-24
Very Stiff	15-30	24-48
Hard	30>	48>

Grain Size

Description		Sieve Size	Approx. Size
Boulders		>12"	Larger than basketball
Cobbles		3-12"	Fist to basketball
Gravel	coarse	3/4-3"	Thumb to Fist
	fine	#4-3/4"	Pea to Thumb
Sand	coarse	#10-4	Rock Salt to Pea
	medium	#40-10	Sugar to Rock Salt
	fine	#200-40	Flour to Sugar
Fines		Pass #200	Smaller than Flour

Additional Description (ie. roots, pinhole pores, debris, etc.)

Trace 5% Moderate 15% Abundant 30%



EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
5		**EXPLANATION** Solid lines separate geologic units and/or material types. Dashed lines indicate unknown depth of geologic unit change or material type change. **Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD). **Double triangle** in core column represents SPT sampler. **Vertical Lines** in core column represents Shelby sampler. **Solid black rectangle** in Bulk column respresents large bag sample. **Other Laboratory Tests:** Max = Maximum Dry Density/Optimum Moisture Content EI = Expansion Index SO4 = Soluble Sulfate Content DSR = Direct Shear, Remolded DS = Direct Shear, Undisturbed SA = Sieve Analysis (1" through #200 sieve) Hydro = Particle Size Analysis (SA with Hydrometer) 200 = Percent Passing #200 Sieve Consol = Consolidation SE = Sand Equivalent Rval = R-Value ATT = Atterberg Limits							
10									
15									
20									

EXPLORATION LOG

Project:		Location: B-1
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 54.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							Max EI SO4 DS RVal pH Resist Ch Consol ATT
		ARTIFICIAL FILL (Af) Sandy Silt (ML): Grayish brown, moist, fine grained sand		14	■	■	22.4	100.7	
		ALLUVIUM (Qal) Sandy Silt (ML): Grayish brown, moist, stiff, fine grained sand, moderate pinhole pores		15	■	■	19.1	104.5	
5		@ 4 ft, more fine grained sand present Sand trace Silt (SP): Light gray, moist, loose, fine to medium grained sand		9	■		11.9	100.5	
10		Sandy Silt / Silty Sand (ML/SM): Grayish brown, very moist, stiff / medium dense, fine grained sand	▽	17	■		20.1	99.8	
15		Sand trace Silt (SP): Grayish brown, wet, medium dense, fine to medium grained sand		14	⧗				
20		Sandy Silt (SM): Grayish brown, wet, medium stiff, fine grained sand		4	⧗				200
25		Sand trace Silt (SP): Light gray, wet, medium dense, fine to medium grained sand		16	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							
		ARTIFICIAL FILL (Af)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, fine grained sand		17	■		24.2	97.9	Consol
		ALLUVIUM (Qal)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, medium dense, fine grained sand, trace pinhole pores, decayed rootlets		15	■		19.4	100.5	
5		Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand		12	■		15.7	90.7	
		Silty Sand (SM): Light grayish brown, very moist, loose, fine grained sand							
10		Sandy Silt trace Clay (ML): Grayish brown, very moist, stiff, fine grained sand		18	■		12.6	98.8	Consol
		Silty Sand (SM): Grayish brown, very moist, medium dense, fine grained sand							
		Sand trace Silt (SP): Grayish brown, very moist, medium dense, fine to medium grained sand	▽						
15		Silty Sand (SM): Grayish brown, wet, medium dense, fine grained sand, significant fines		12	▼				
		@ 16.3 ft, Gray							
20		Silty Sand (SM): Grayish brown, wet, loose, fine grained sand		6	▼				200
25		Sand trace Silt (SP): Light grayish brown, wet, dense, fine to medium grained sand		19	▼				

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Silty Sand trace Clay (SM): Grayish brown, wet, medium dense, fine grained sand		8					200
35		Sand trace Silt (SP): Grayish brown, wet, dense, fine to medium grained sand		25					
40		Sandy Silt (ML): Gray, wet, very stiff, fine grained sand		13					200
45		Sand (SP): Grayish brown, wet, very dense, fine to medium grained sand		35					
50		Sandy Silt (ML): Grayish brown, wet, very stiff, fine grained sand		11					
		Total Depth 51.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-3
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 57
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		concrete with rebar							
		ARTIFICIAL FILL (Af) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, fine grained sand		15	■		20.9	102.9	
		ALLUVIUM (Qal) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand, trace pinhole pores		13	■		19.2	101.8	
5		@ 4 ft, loose / stiff Silty Sand (SM): Grayish brown, moist, loose, fine grained sand		11	■		15.3	97	Consol
10		@ 10 ft, very moist, medium dense	▽	17	■		15.4	93.2	
15		Sand trace Silt and Clay (SP): Grayish brown, wet, loose, fine grained sand		4	⧗				
		Silty Sand (SM): Gray, wet, loose, fine to medium grained sand							
20		Silty Sand with Clay (SM): Grayish brown, wet, loose, fine grained sand		4	⧗				200
25		Sand (SP): Grayish brown, wet, medium dense, fine to medium grained sand		11	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

SUMMARY

OF

CONE PENETRATION TEST DATA

Project:

180 Flallon Avenue
Artesia, CA
November 2, 2021

Prepared for:

Mr. Danny Albus
Albus & Associates
1011 N. Armando Street
Anaheim, CA 92806-2606
Office (714) 630-1626 / Fax (714) 630-1916

Prepared by:

KEHOE TESTING & ENGINEERING
5415 Industrial Drive
Huntington Beach, CA 92649-1518
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www.kehoetesting.com

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2. **SUMMARY OF FIELD WORK**
3. **FIELD EQUIPMENT & PROCEDURES**
4. **CONE PENETRATION TEST DATA & INTERPRETATION**

APPENDIX

- CPT Plots
- CPT Classification/Soil Behavior Chart
- CPT Data Files (sent via email)

SUMMARY

OF

CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the project located at 180 Flallon Avenue in Artesia, California. The work was performed by Kehoe Testing & Engineering (KTE) on November 2, 2021. The scope of work was performed as directed by Albus & Associates personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at four locations to determine the soil lithology. A summary is provided in **TABLE 2.1**.

LOCATION	DEPTH OF CPT (ft)	COMMENTS/NOTES:
CPT-1	50	
CPT-2	50	
CPT-3	50	
CPT-4	50	

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone with a cone net area ratio of 0.83. The following parameters were recorded at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for up to 2 years for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil behavior type on the CPT plots is derived from the attached CPT SBT plot (Robertson, "Interpretation of Cone Penetration Test…", 2009) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

The CPT data files have also been provided. These files can be imported in CPeT-IT (software by GeoLogismiki) and other programs to calculate various geotechnical parameters.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING

Steven P. Kehoe
President

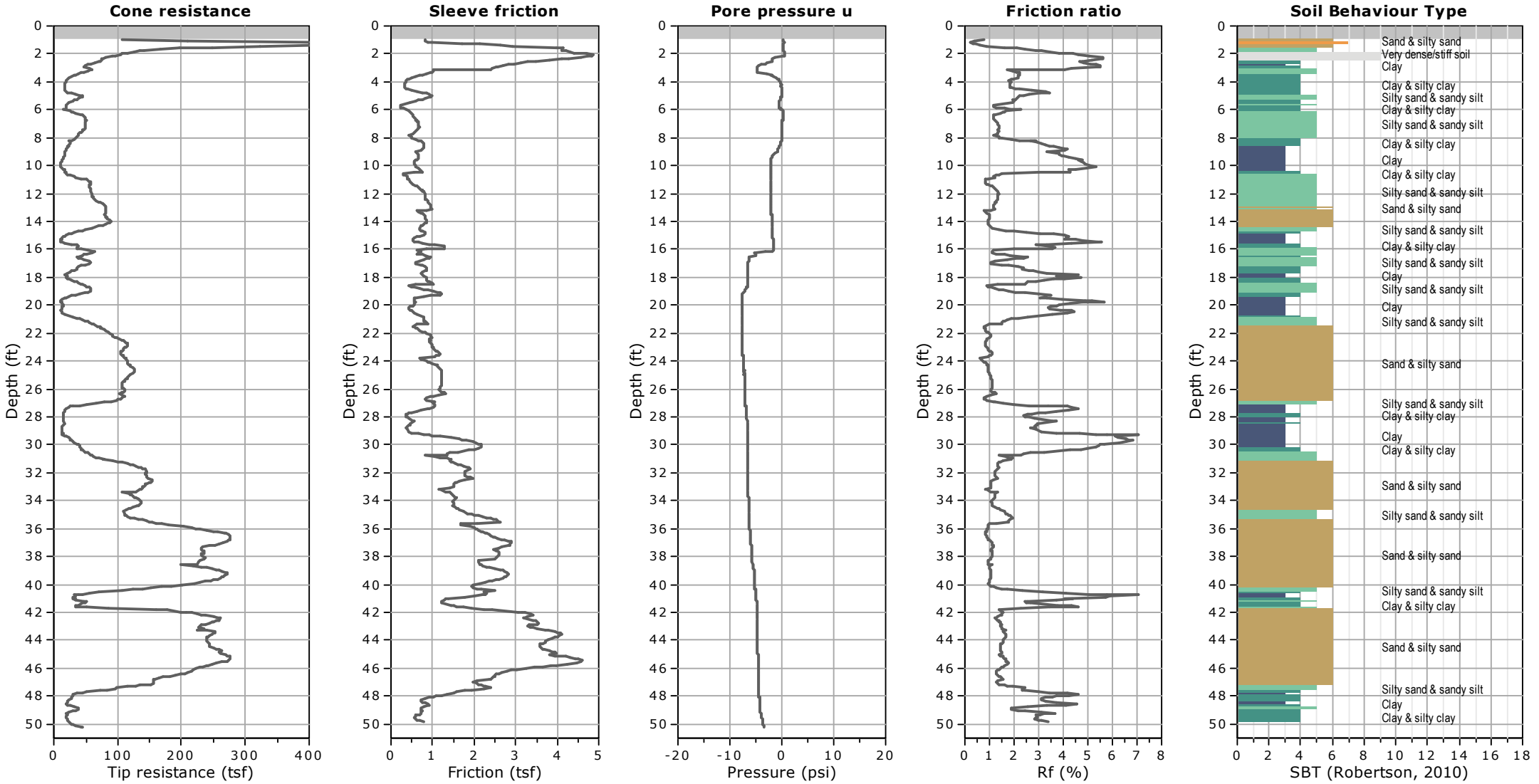
11/04/21-hh-3536

APPENDIX

Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-1
Total depth: 50.20 ft, Date: 11/2/2021



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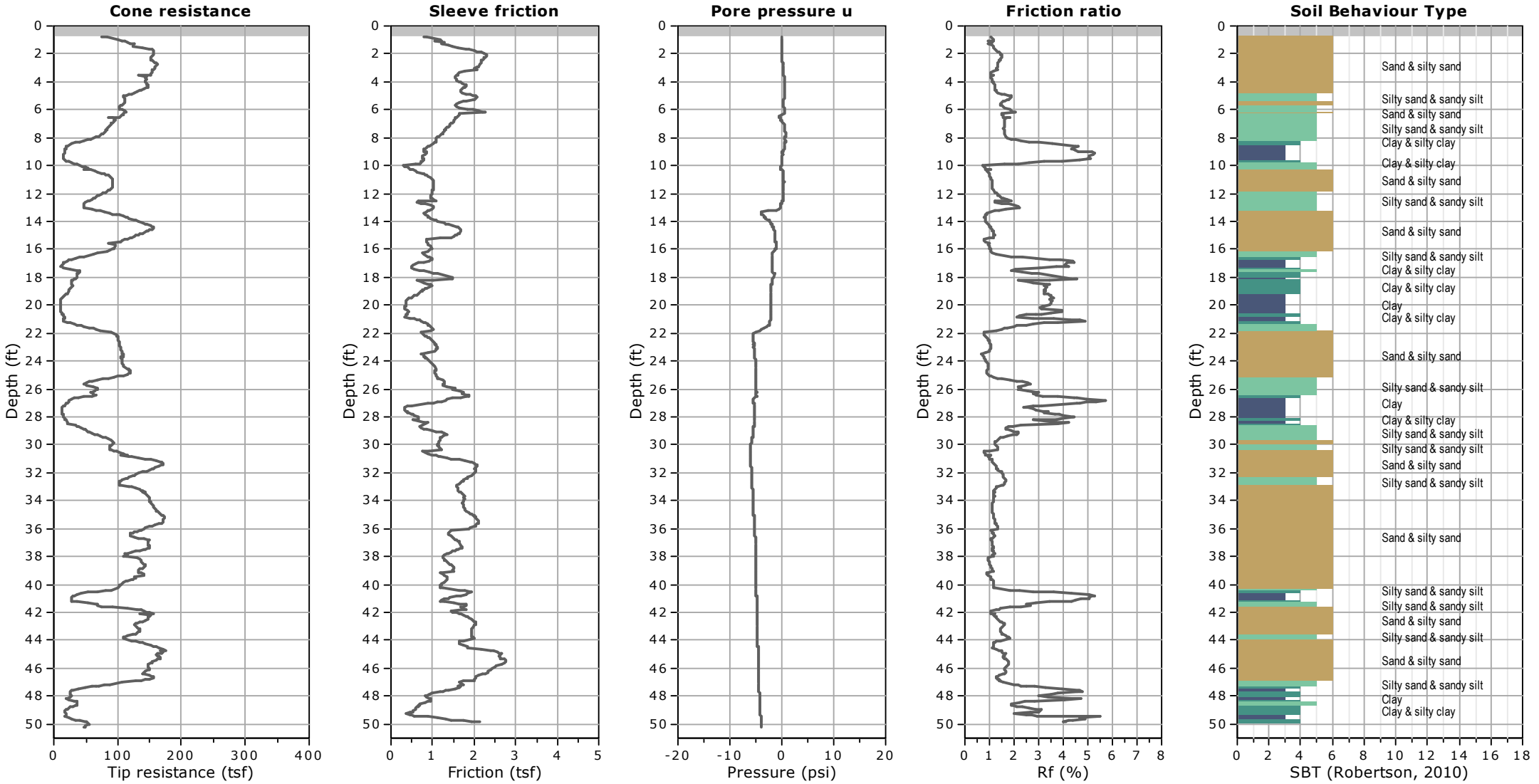
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-2
Total depth: 50.22 ft, Date: 11/2/2021



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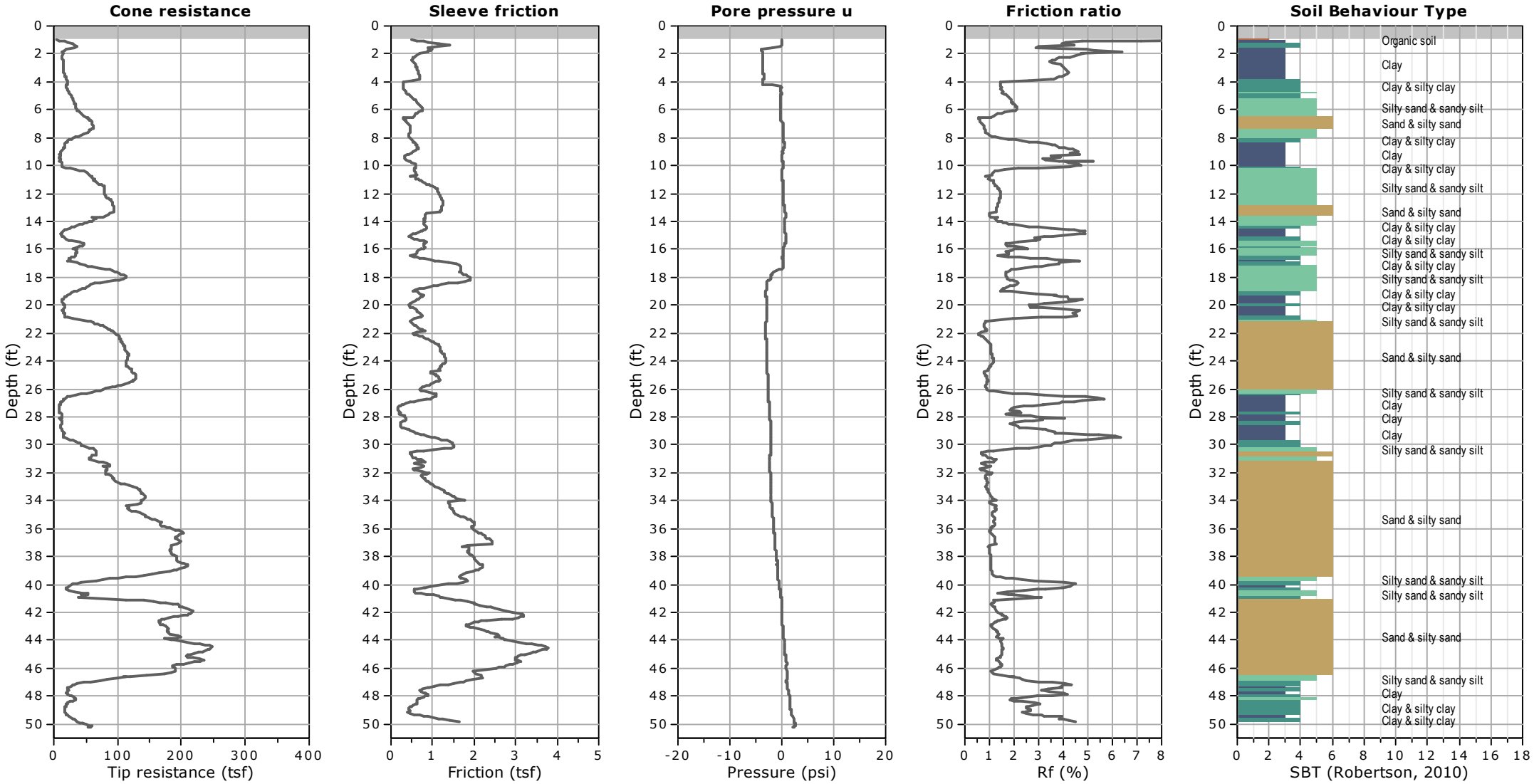
Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-3
Total depth: 50.24 ft, Date: 11/2/2021



Kehoe Testing and Engineering
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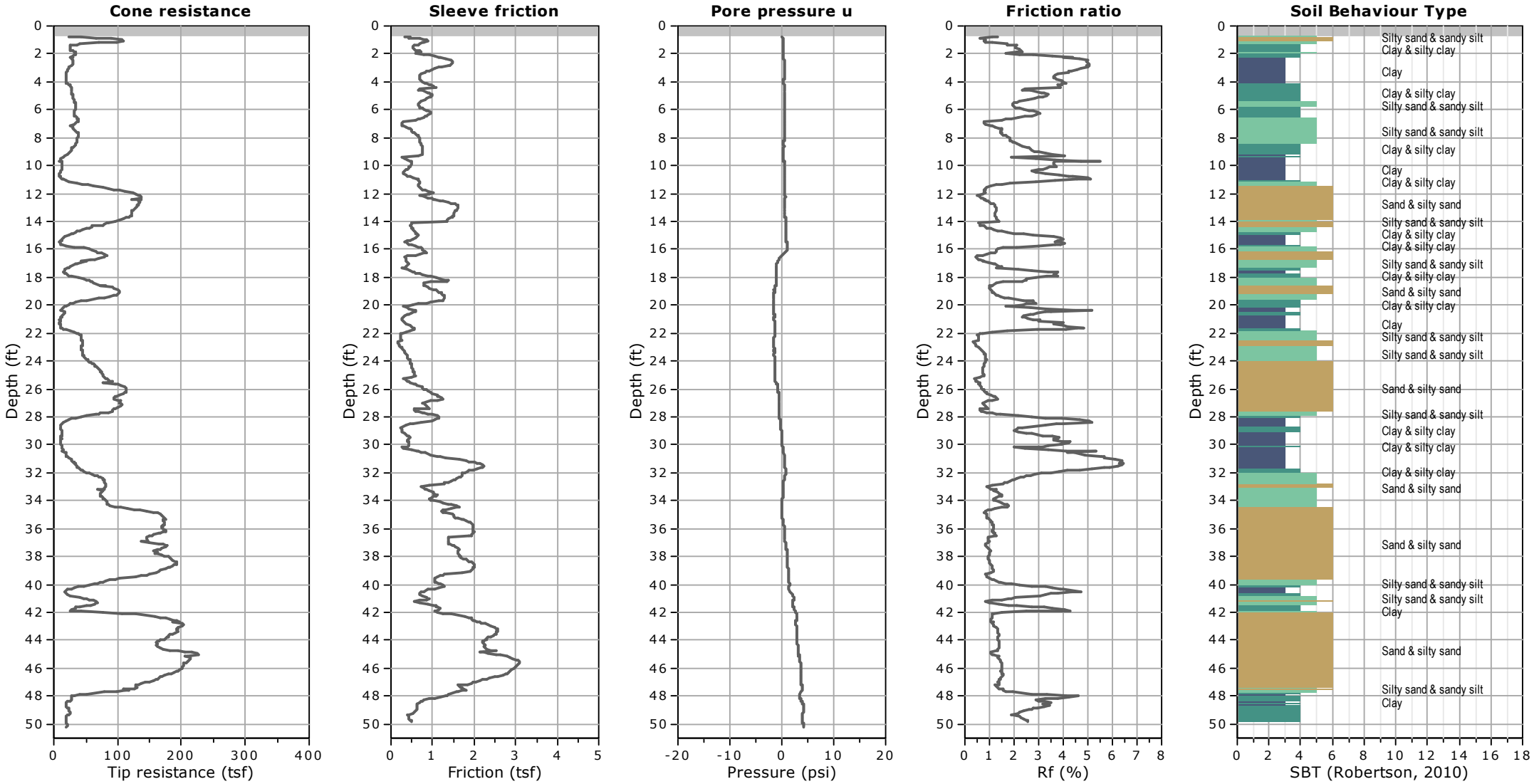
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-4
Total depth: 50.22 ft, Date: 11/2/2021



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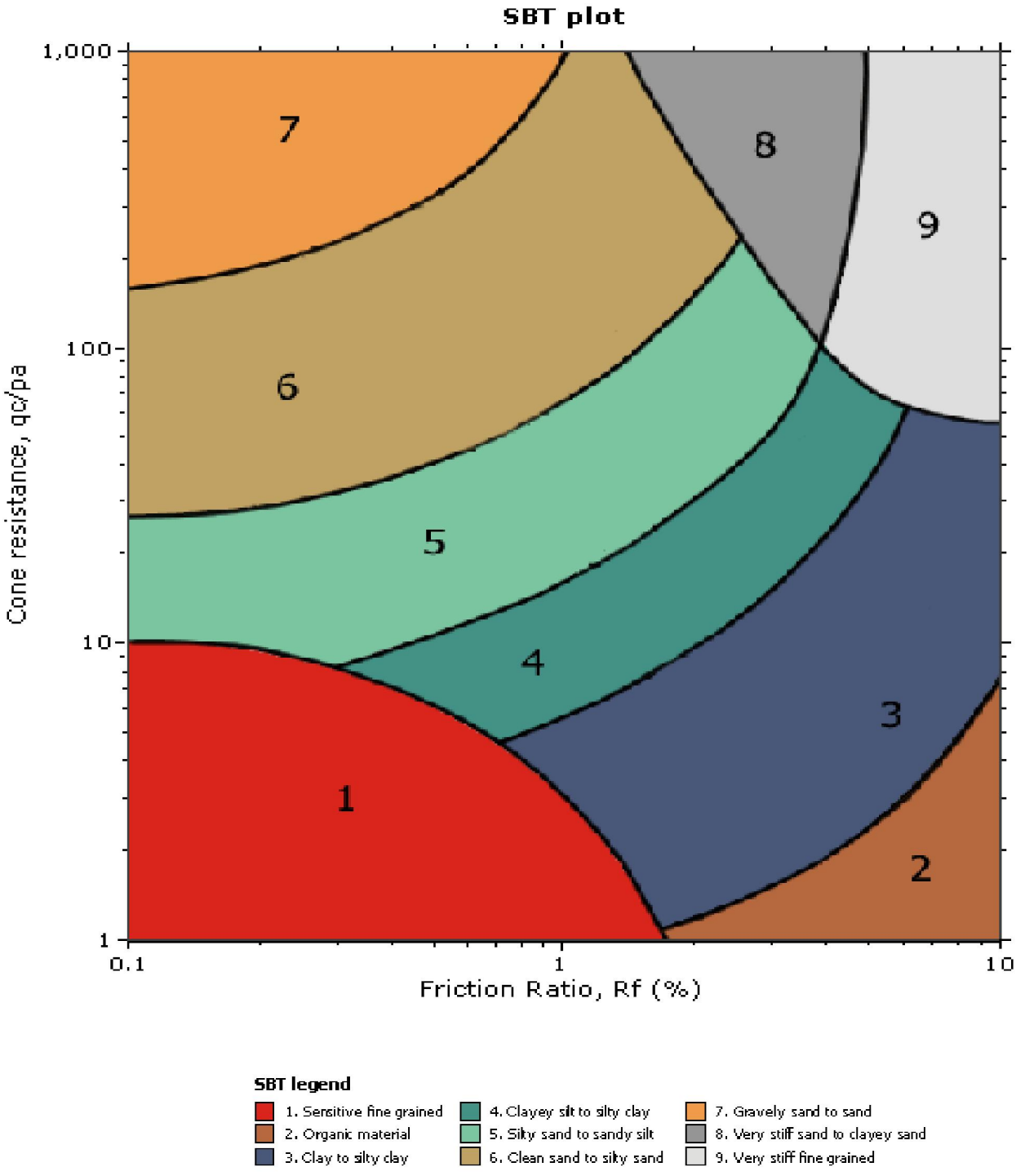


APPENDIX B

LABORATORY TEST RESULTS

LABORATORY TESTING PROGRAM

Soil Classification

Soils encountered within the exploratory borings were initially classified in the field in general accordance with the visual-manual procedures of the Unified Soil Classification System (ASTM D 2488). The samples were re-examined in the laboratory and classifications reviewed and then revised where appropriate. The assigned group symbols are presented on the Exploration Logs provided in Appendix A.

In-Situ Moisture Content and Dry Density

Moisture content and dry density of in-place soil materials were determined in representative strata. Test data are summarized on the Exploration Logs, Appendix A.

Atterberg Limits

Atterberg Limits (Liquid Limit, Plastic Limit, and Plasticity Index) were performed in accordance with Test Method ASTM D 4318. Pertinent test values are presented within Table B-1.

Maximum Dry Density and Optimum Moisture Content

Maximum dry density and optimum moisture content were performed on a representative sample of the site materials obtained from our field explorations. The test was performed in accordance with ASTM D 1557. Pertinent test values are given in Table B-1.

Expansion Potential

Expansion index testing was performed on a selected sample. The test was performed in accordance with ASTM D4829. The test result and expansion potential are presented in Table B-1.

Direct Shear

The Coulomb shear strength parameters, angle of internal friction and cohesion, were determined for a bulk sample and intact samples obtained from one our borings. The tests were performed in general conformance with Test Method ASTM D 3080. The bulk sample was remolded to 90 percent of maximum dry density and at the optimum moisture content. Three specimens were prepared for each test, artificially saturated, and then sheared under varied loads at an appropriate constant rate of strain. Results are graphically presented on Plate B-5.

Consolidation

Consolidation tests were performed for selected soil samples in general conformance with ASTM D 2435. Axial loads were applied in several increments to a laterally restrained 1-inch-high sample. Loads were applied in geometric progression by doubling the previous load, and the resulting deformations were recorded at selected time intervals. The specific test samples were inundated at selected loads to evaluate the effects of a sudden increase in moisture content (hydro-consolidation potential). Results of the tests are graphically presented on Plates B-1 to B-4.

Soluble Sulfate Content

A chemical analysis was performed on a selected sample to determine soluble sulfate content. This test was performed in our soil laboratory in accordance with California Test Method No 417. The test result is included on Table B-1.

Corrosion

Select samples were tested for minimum resistivity, chloride, pH in accordance with California Test Method 643. Results of these tests are provided in Table B-1.

R-Value

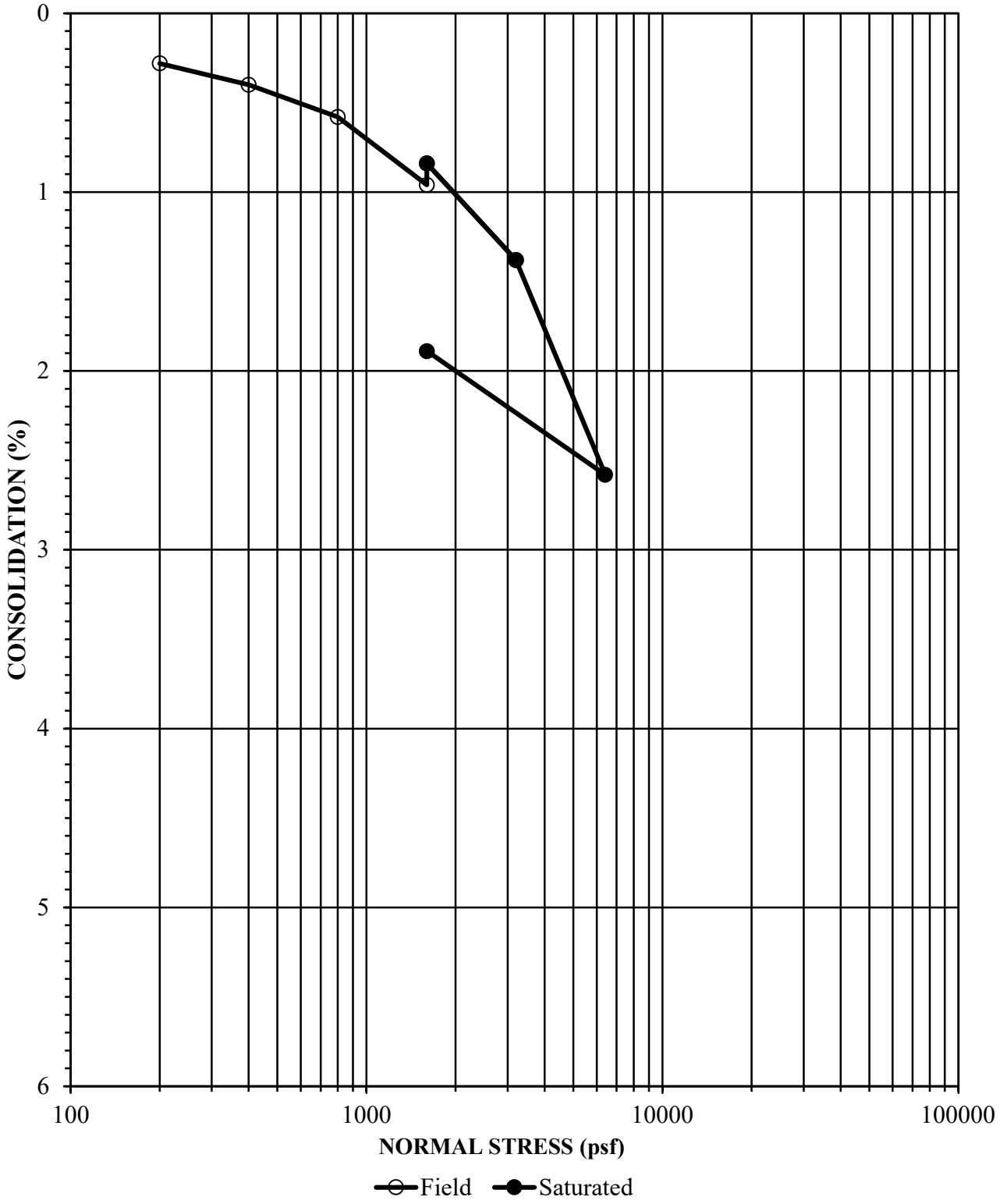
A sample of soil was tested for R-value in accordance with California Test Method (CTM) 301. The results are summarized in Plate B-6.

TABLE B-1
SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Sample Depth (ft.)	Soil Description	Test Results	
B-1	0-5	Sandy Silt trace Clay	Maximum Dry Density (pcf): Optimum Moisture (%): Expansion Index: Expansion Potential: Soluble Sulfate Content (%): Sulfate Exposure: R-Value (By Exudation): Resistivity (ohm-cm): Chloride (ppm): pH:	113.5 15.5 23 Low 0.002 Negligible 43 2500 160 9.45
B-1	2	Sandy Silt	Liquid Limit (%): Plasticity Index (%):	32.7 9
B-1	20	Sandy Silt	Passing No. 200 Sieve (%):	53.4
B-2	20	Silty Sand	Passing No. 200 Sieve (%):	46.6
B-2	30	Silty Sand	Passing No. 200 Sieve (%):	38.5
B-2	40	Sand trace Silt	Passing No. 200 Sieve (%):	7.2
B-3	20	Silty Sand with Clay	Passing No. 200 Sieve (%):	53.2

Note: Additional laboratory test results are provided on the boring logs provided in Appendix A.

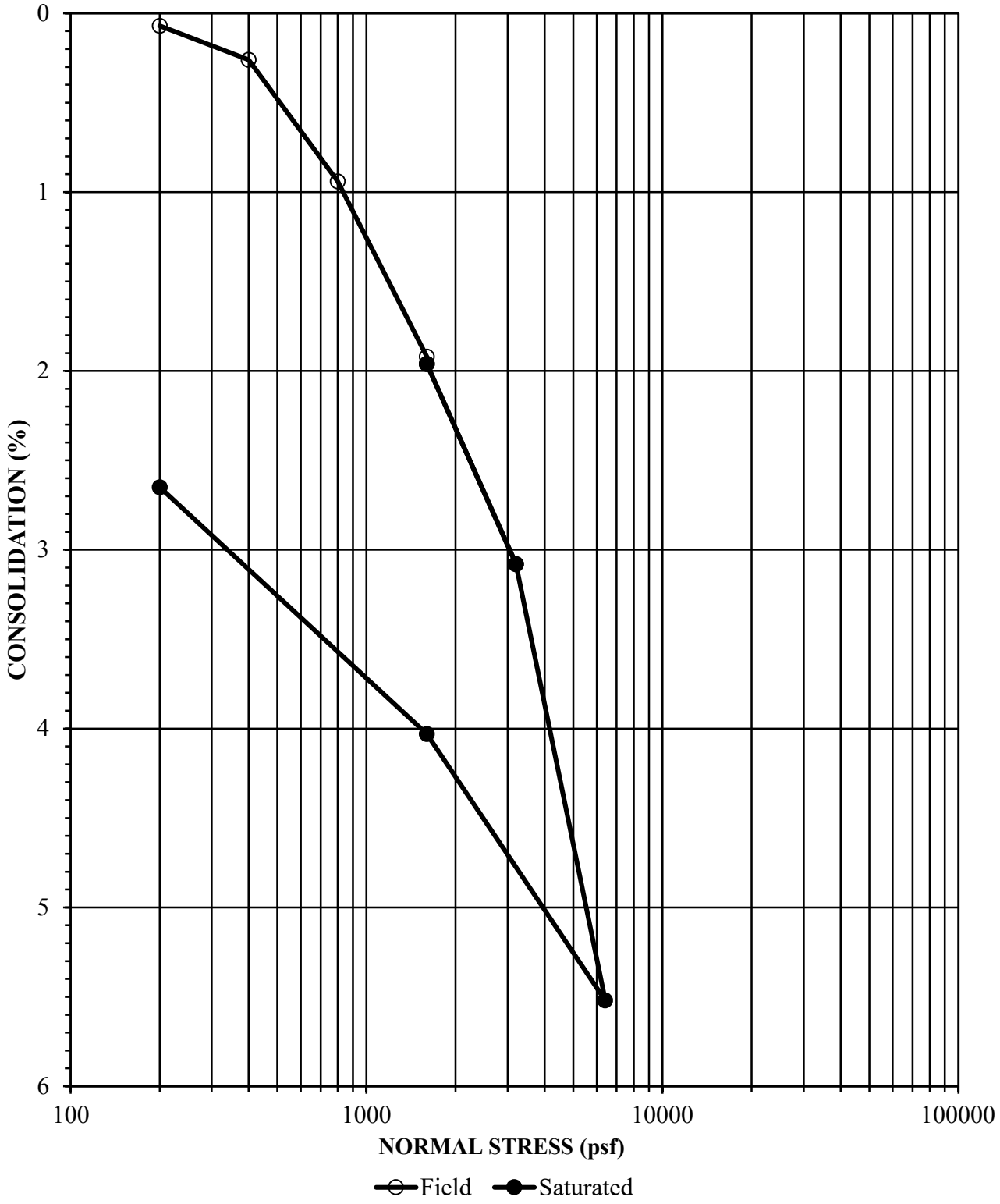
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-1	2	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
99	23.4	24.8

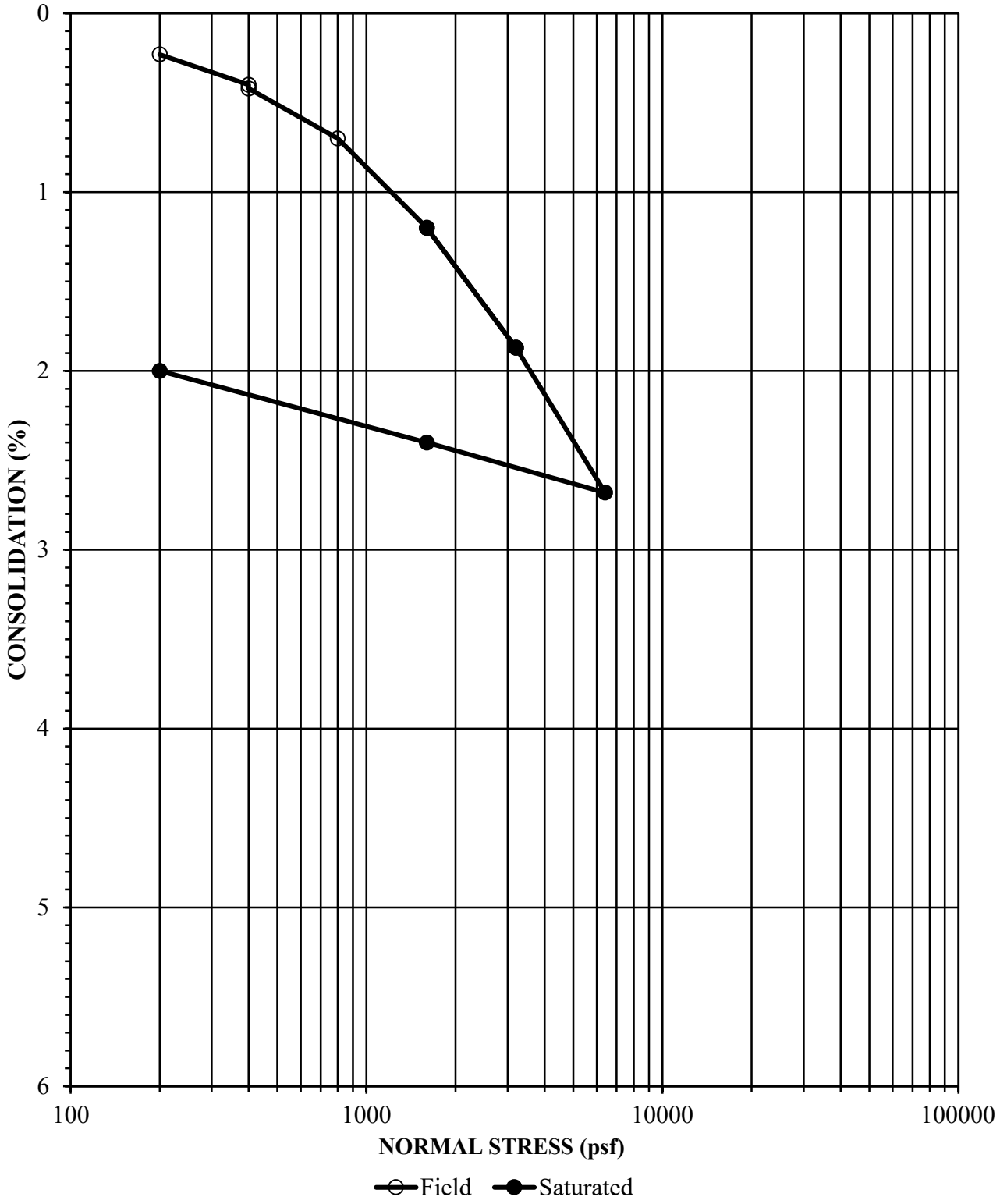
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-2	2	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
100.1	22.3	25.5

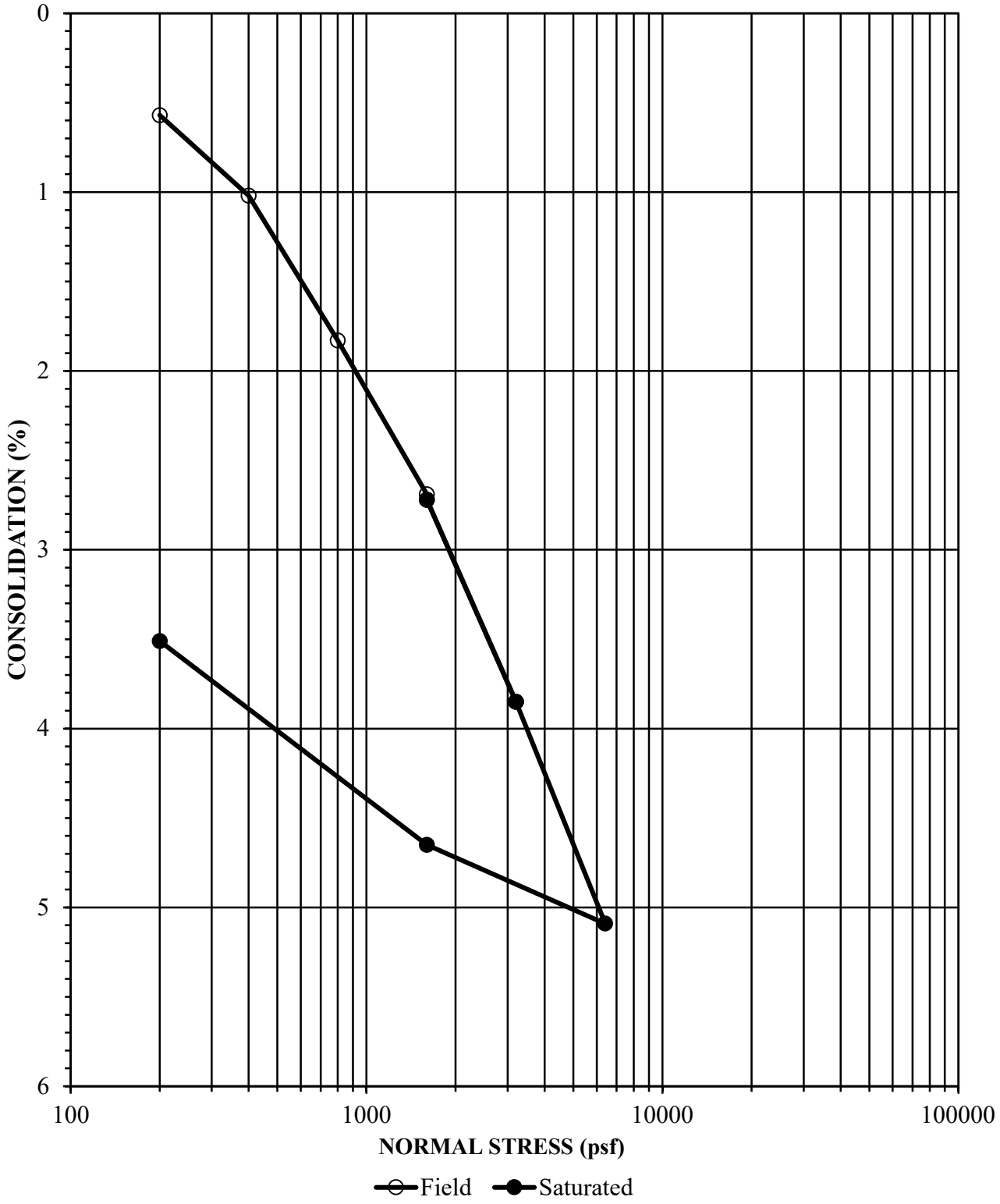
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-2	10	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
94.7	17.1	28.3

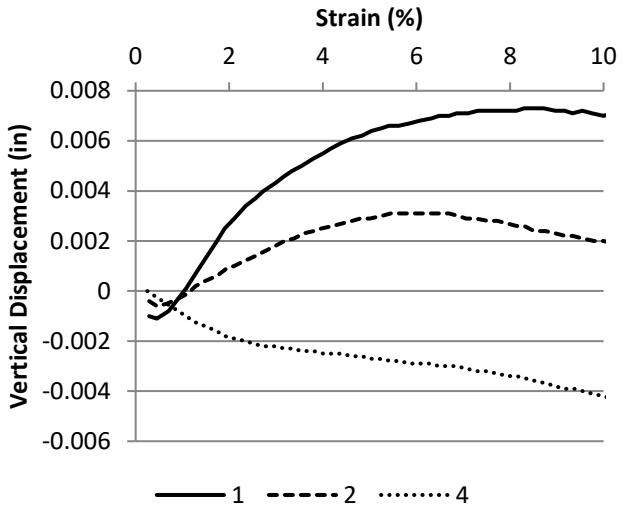
CONSOLIDATION

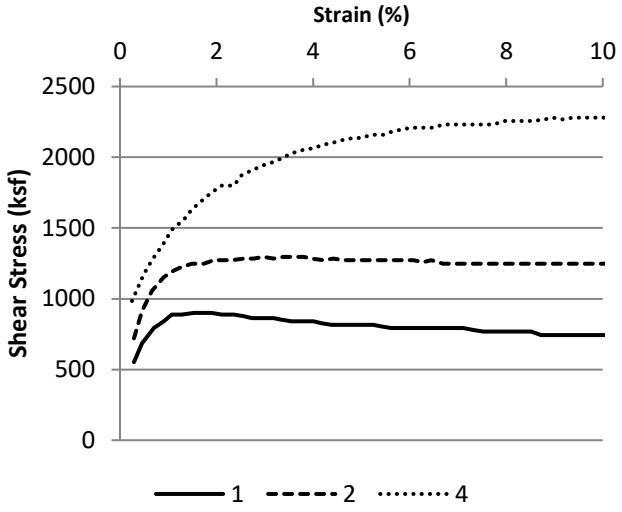


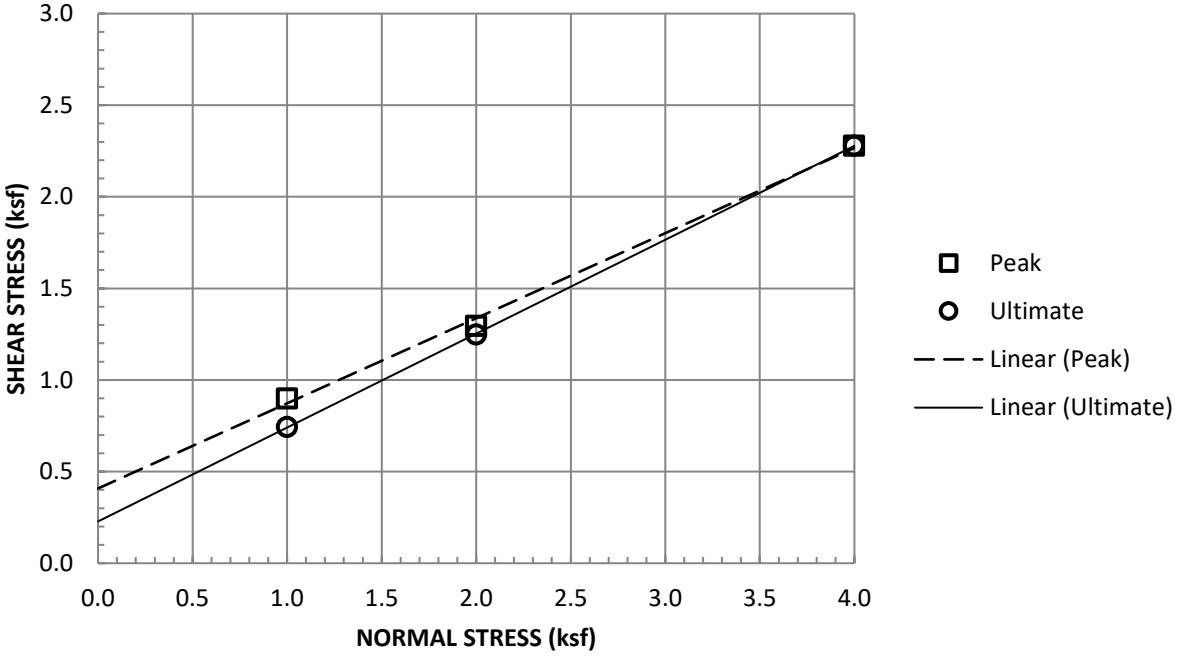
Job Number	Location	Depth	Description
3027.00	B-3	6	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
98.9	9	18.3

DIRECT SHEAR







Sample Type:	Remolded, Saturated		
Normal Stress (ksf)	1	2	4
Peak Shear Stress (ksf)	0.9	1.296	2.28
Peak Displacement (in)	0.007	0.003	0.004
Ultimate Shear Stress (ksf)	0.744	1.248	2.28
Ultimate Displacement (in)	0.25	0.25	0.25
Initial Dry Density (pcf)	95.9	95.5	95.5
Initial Moisture Content (%)	23.2	23.2	23.2
Final Moisture Content (%)	32	32	32.7
Strain Rate (in/min)	0.05		

Job Number	Location	Depth	Description
3027.00	B-1	0-5	Sandy Silt

'R' VALUE CA 301

Client: Albus | Date: 11/9/21 | By: LD

Client's Job No.: 3027.00 | Sample : B-1 @ 0 - 5'

GLA Reference: 2005-011 | Soil Type: Brown, Sandy Clay

TEST SPECIMEN		A	B	C	D
Compactor Air Pressure	psi	**200**	**300**	**250**	
Initial Moisture Content	%	**17.3**	**17.3**	**17.3**	
Water Added	ml	**0**	**-15**	**-8**	
Moisture at Compaction	%	17.3	15.9	16.5	
Sample & Mold Weight	gms	**3174**	**3192**	**3163**	
Mold Weight	gms	**2103**	**2098**	**2099**	
Net Sample Weight	gms	1071	1094	1064	
Sample Height	in.	**2.5**	**2.511**	**2.466**	
Dry Density	pcf	110.6	113.9	112.2	
Pressure	lbs	**2835**	**7550**	**4620**	
Exudation Pressure	psi	226	601	368	
Expansion Dial	x 0.0001	**27**	**115**	**70**	
Expansion Pressure	psf	117	498	303	
Ph at 1000lbs	psi	**38**	**22**	**30**	
Ph at 2000lbs	psi	**82**	**48**	**60**	
Displacement	turns	**4.69**	**4.05**	**4.29**	
R' Value		34	59	49	
Corrected 'R' Value		**34**	**59**	**49**	

FINAL 'R' VALUE	
By Exudation Pressure (@ 300 psi):	**43**
By Epansion Pressure :	**33**
TI = 5	

Geo-Logic ASSOCIATES

APPENDIX C

LIQUEFACTION ANALYSIS

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

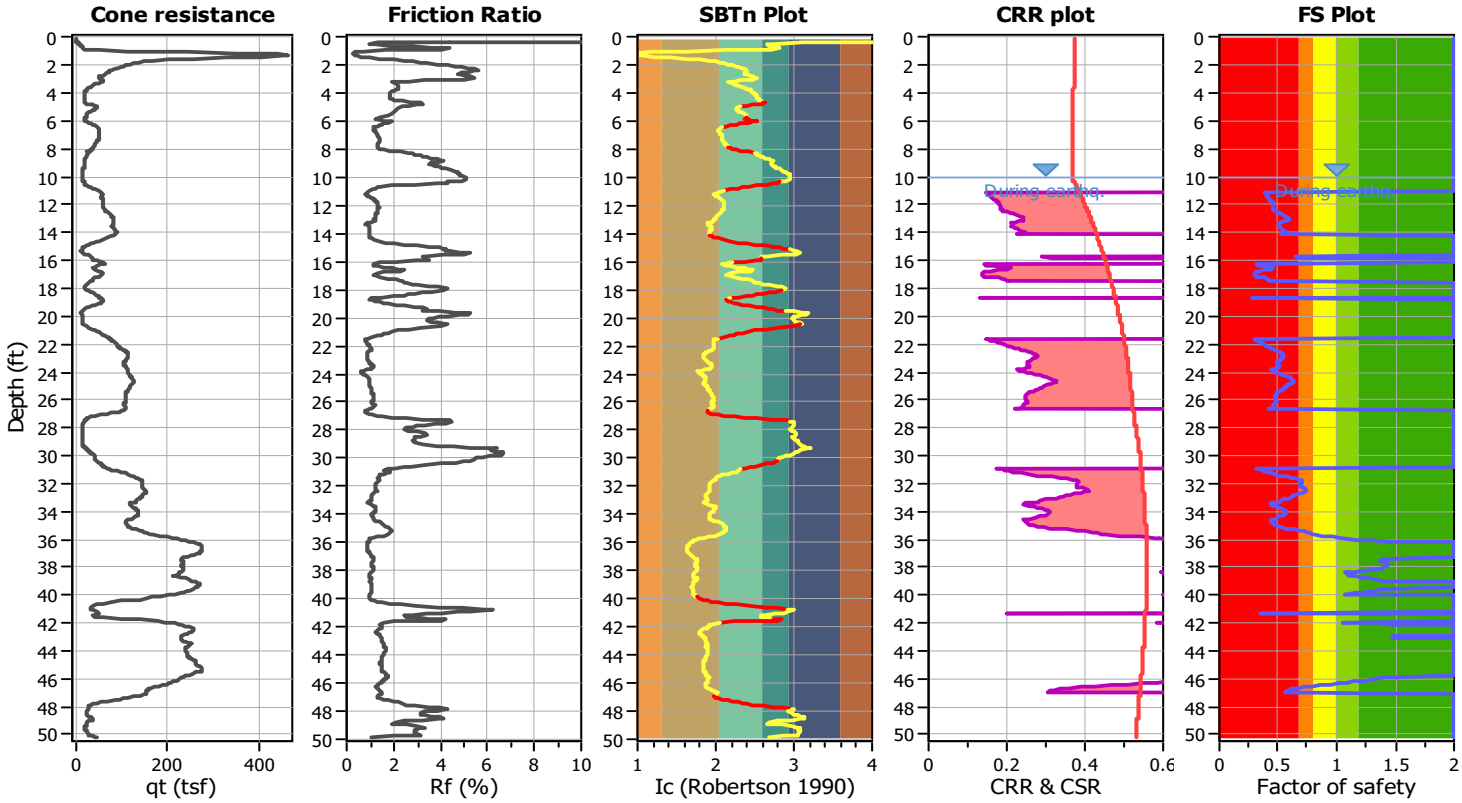
LIQUEFACTION ANALYSIS REPORT

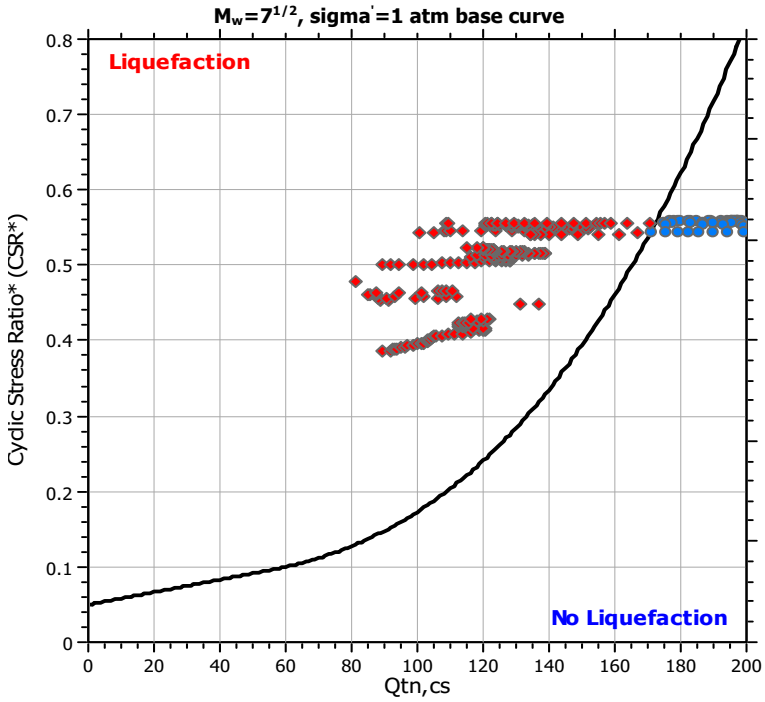
Project title : 3027.00 **Location : Artesia, CA**

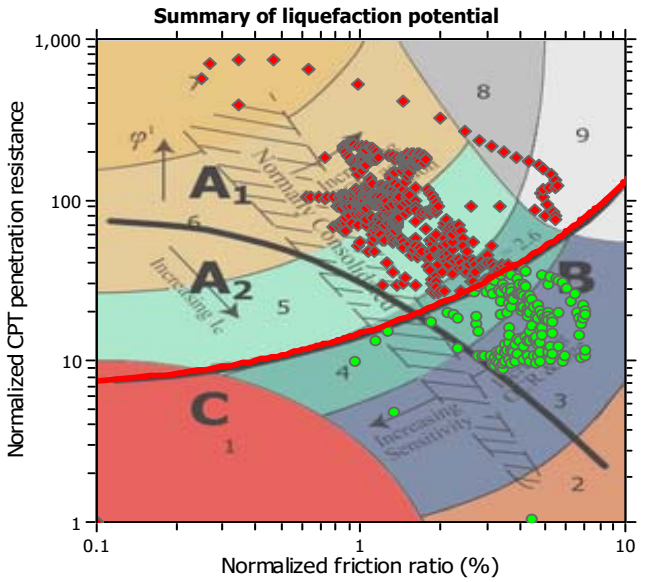
CPT file : CPT-1

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

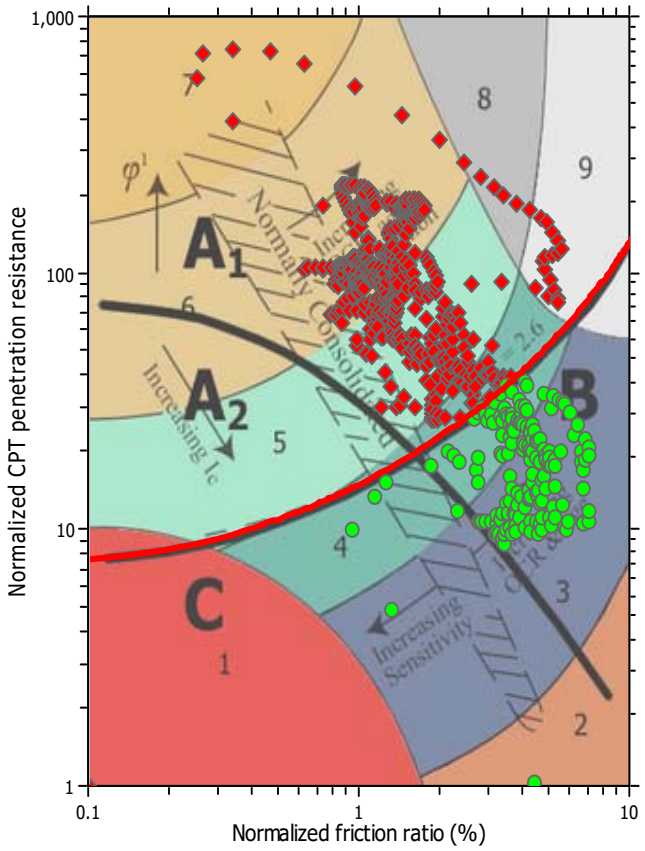


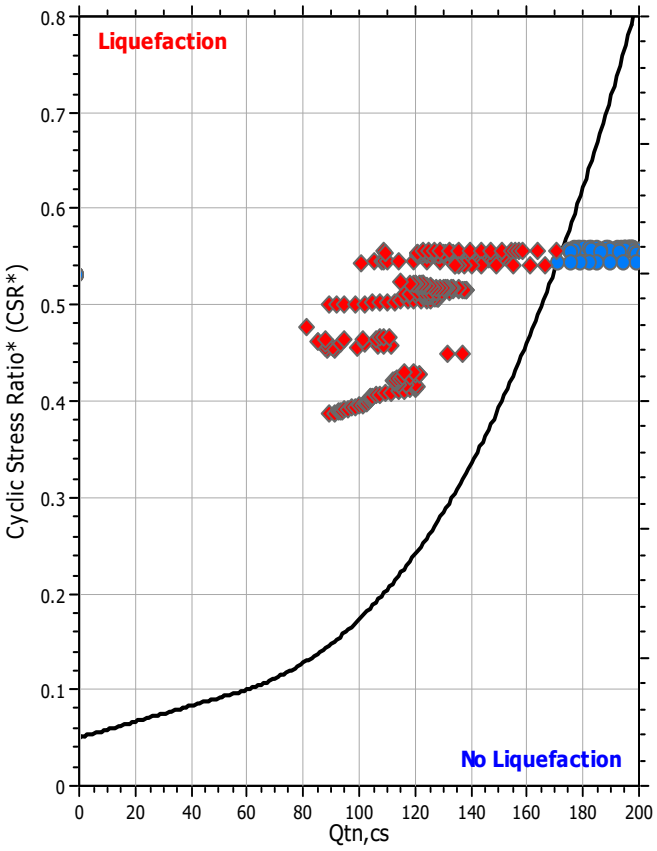


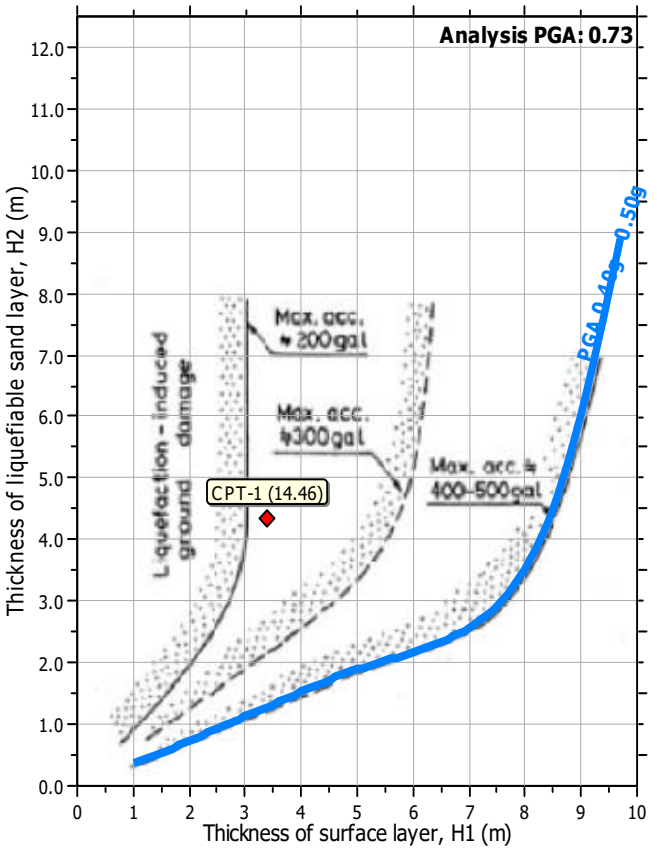


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots







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Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

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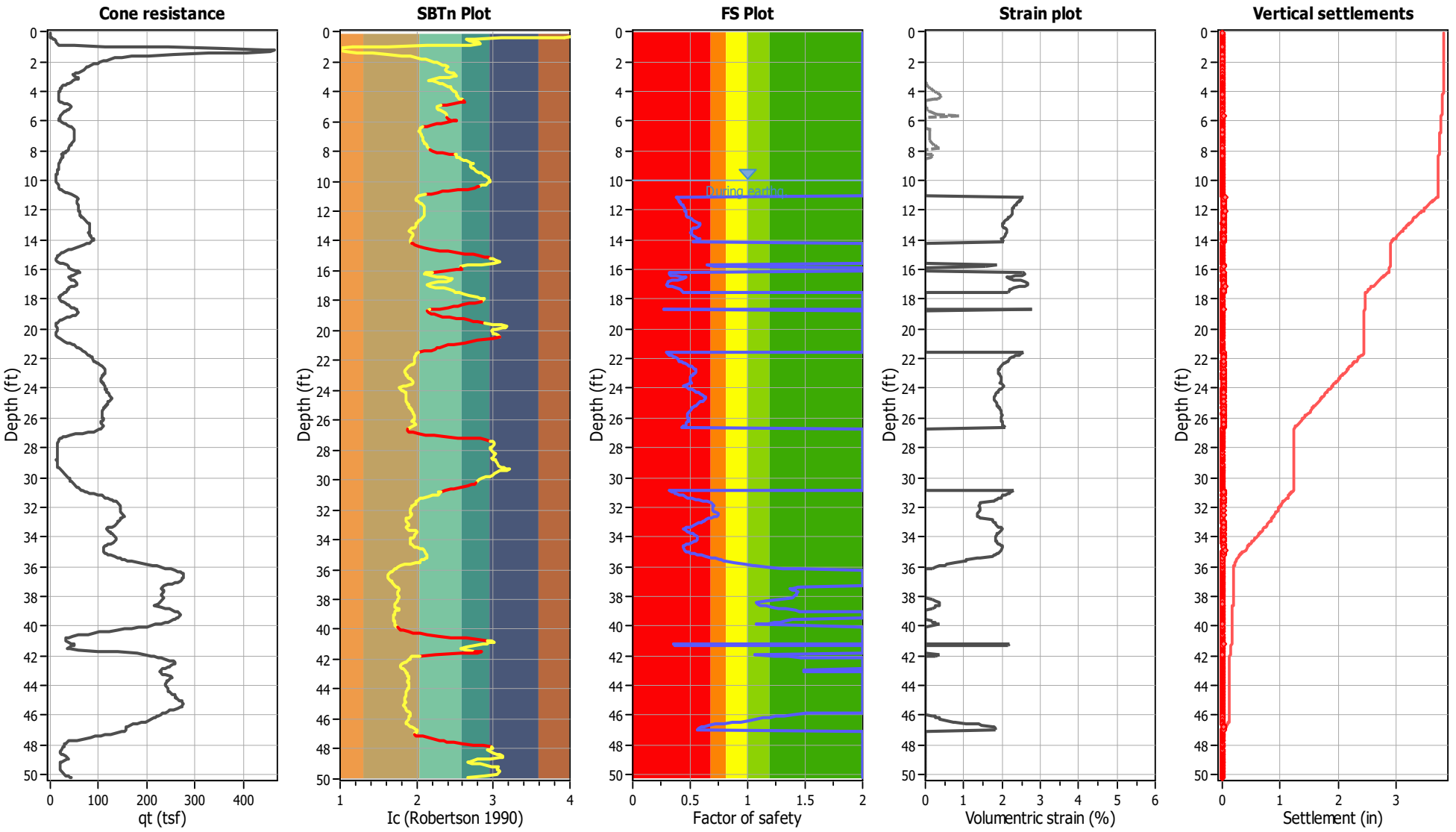

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Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

LIQUEFACTION ANALYSIS REPORT

Project title : 3027.00 **Location : Artesia, CA**

CPT file : CPT-2

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
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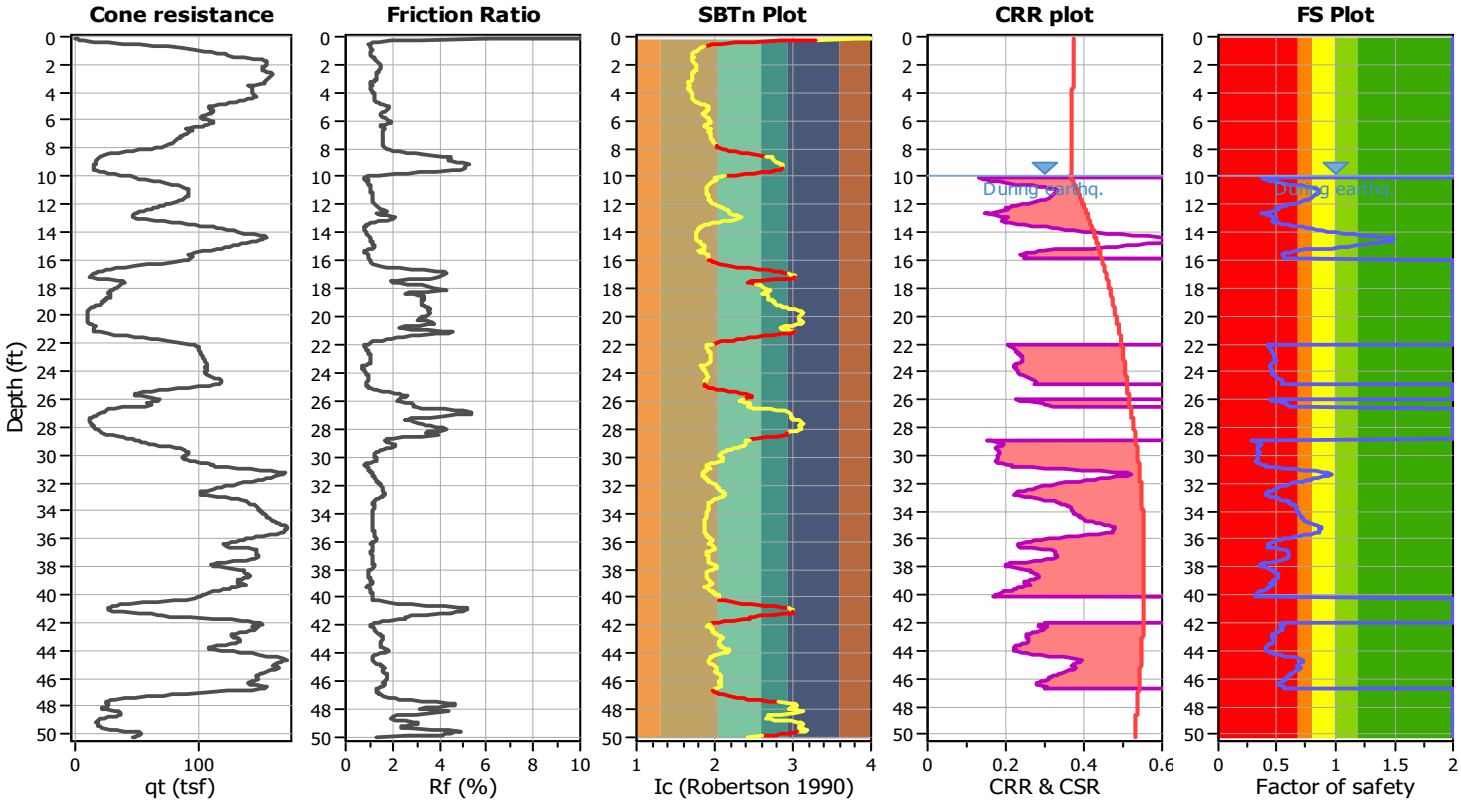

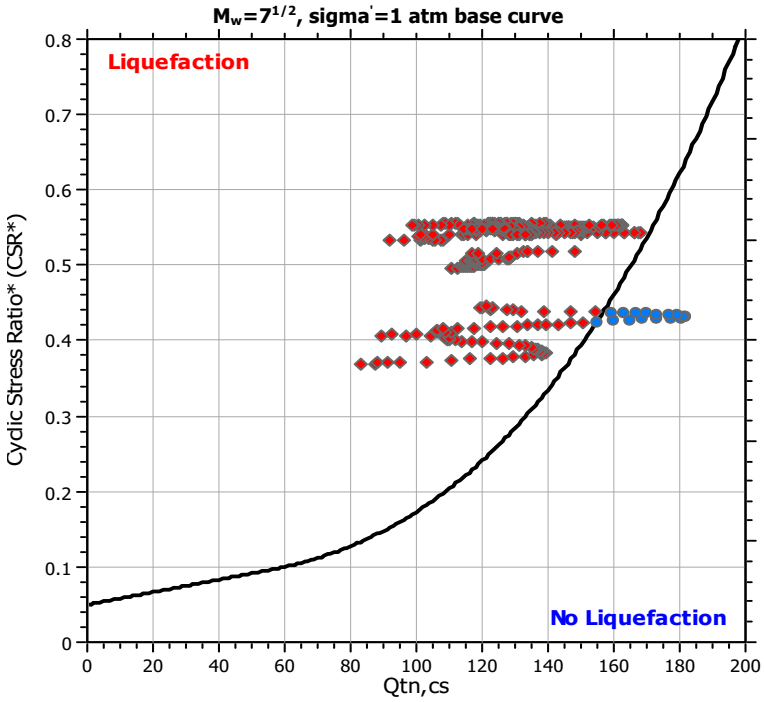

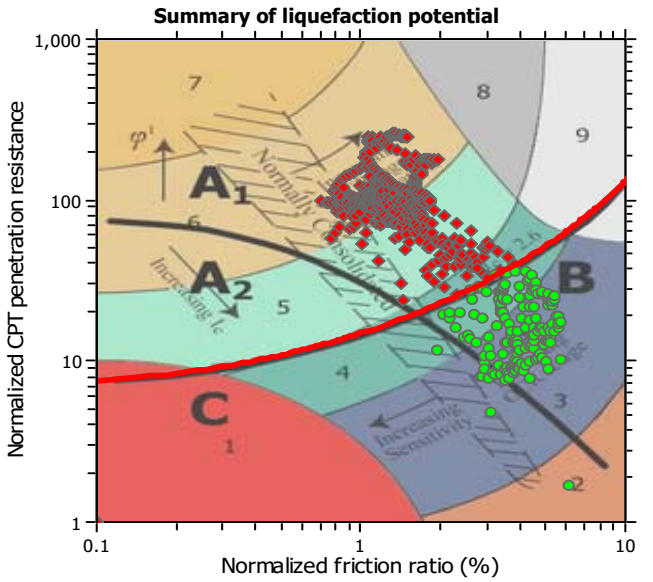

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Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
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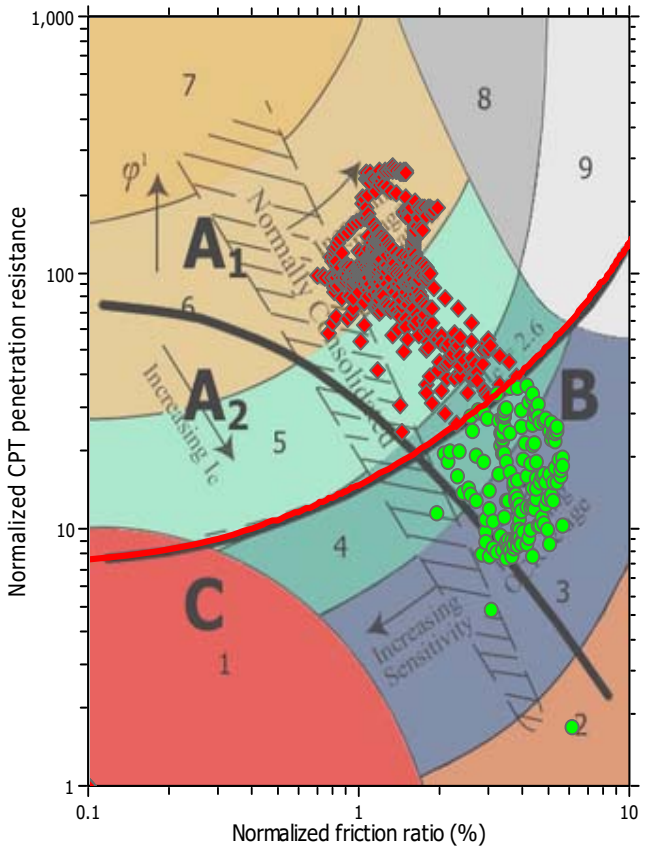
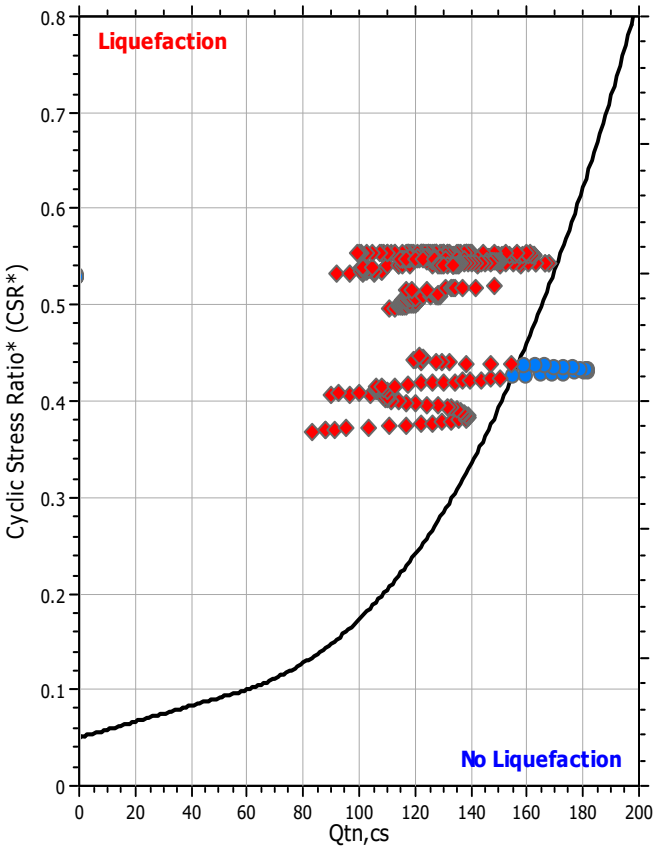
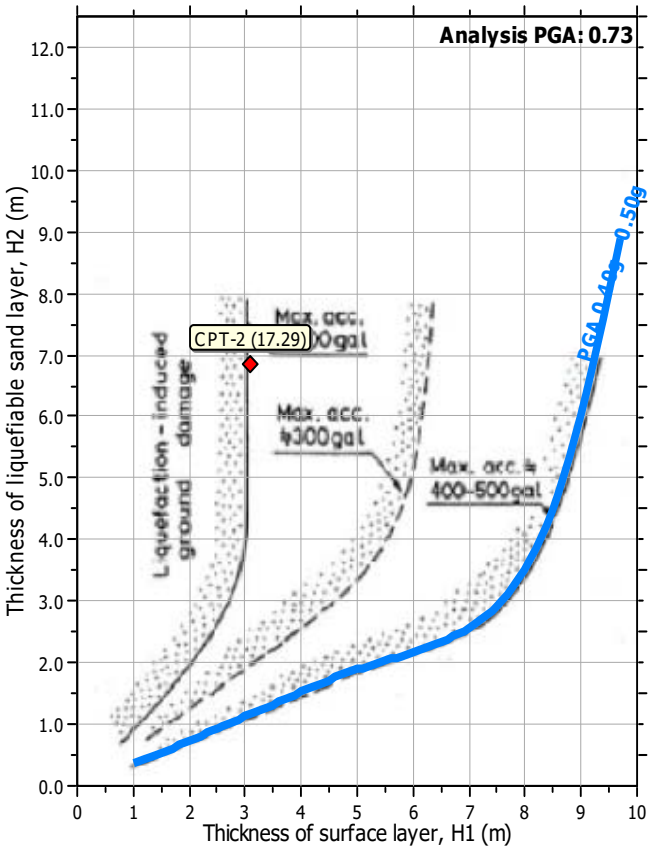
Liquefaction analysis summary plots







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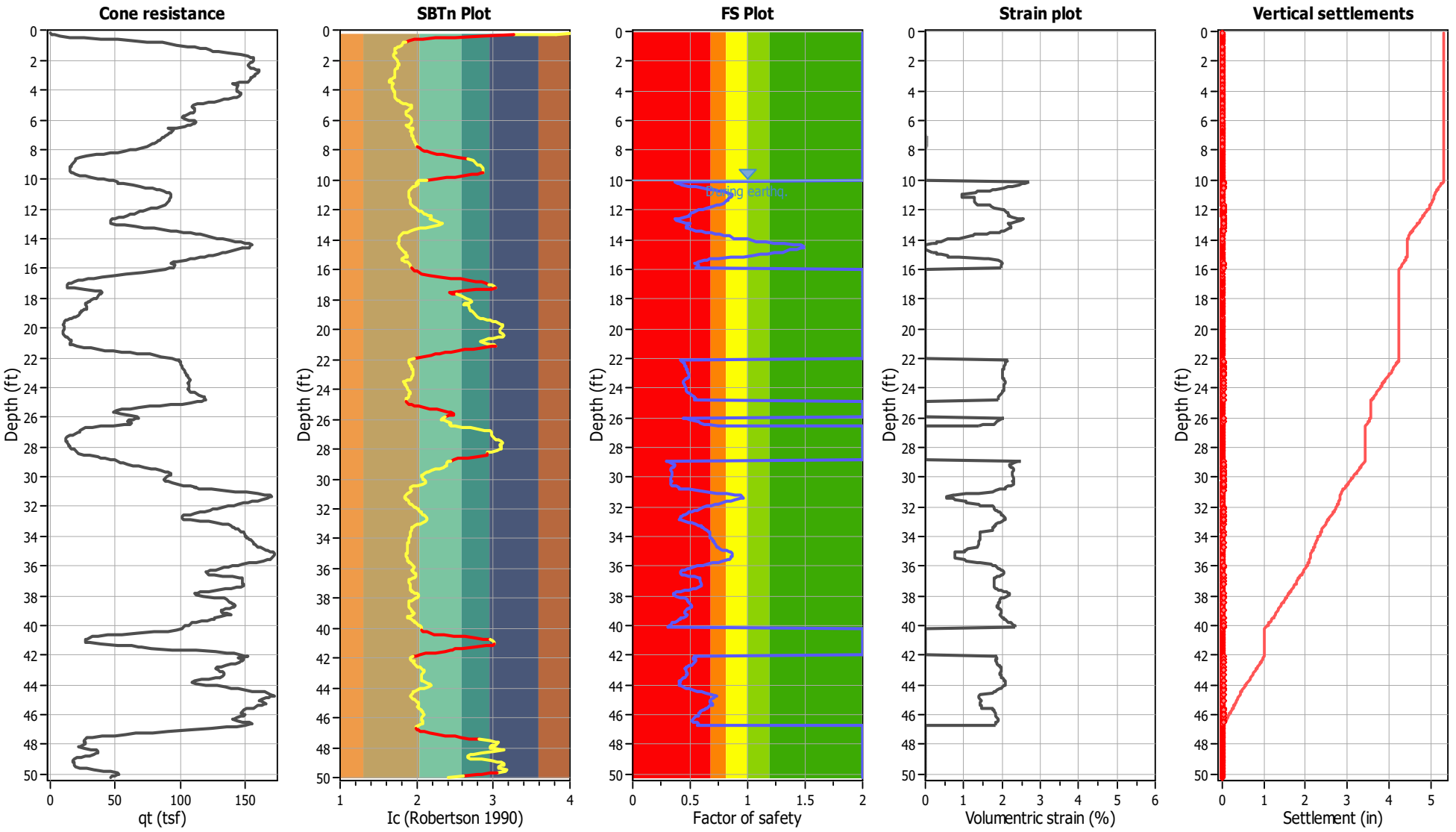

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Geotechnical Consultants
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albus-keefe.net

LIQUEFACTION ANALYSIS REPORT

Project title : 3027.00 **Location : Artesia, CA**

CPT file : CPT-3

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
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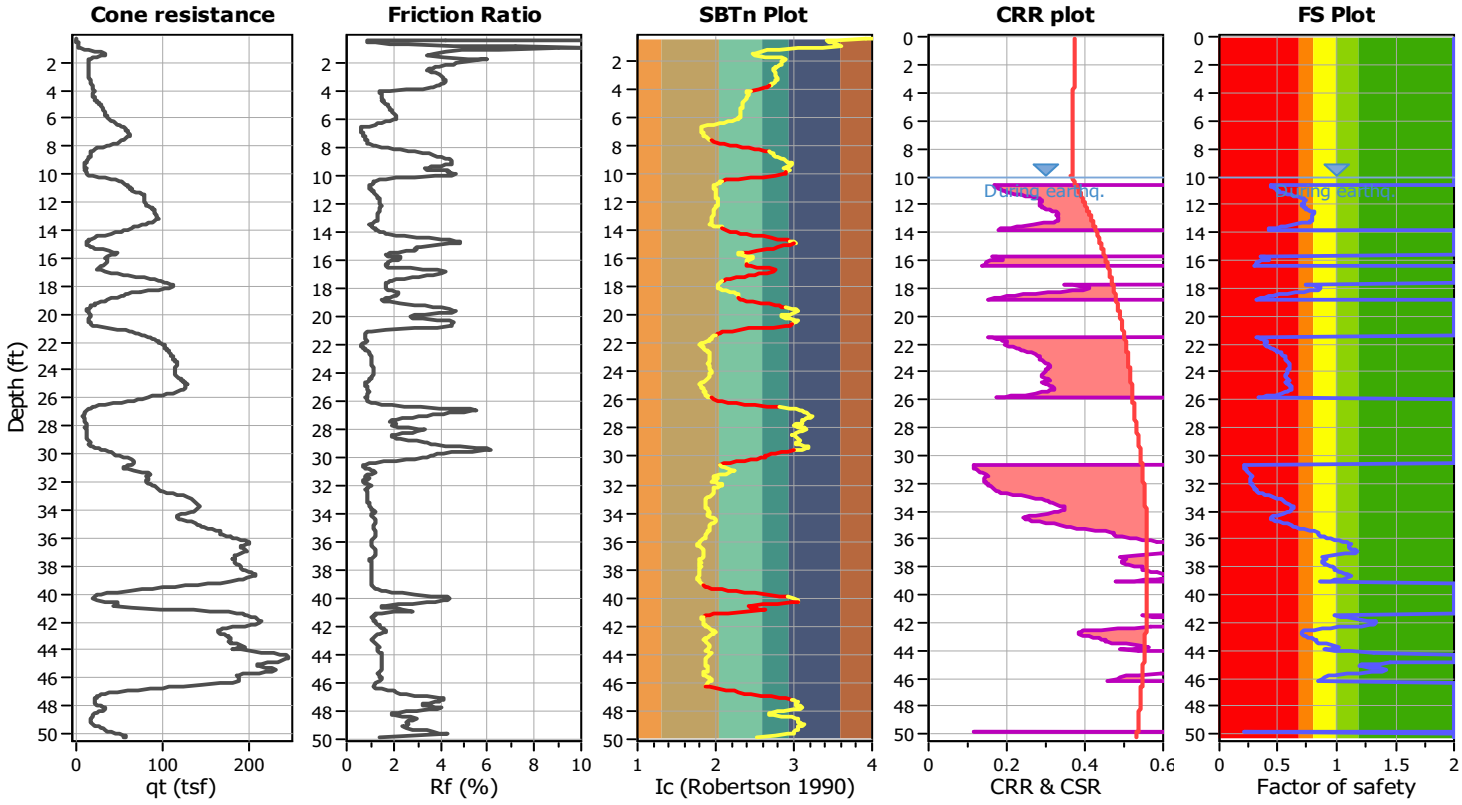

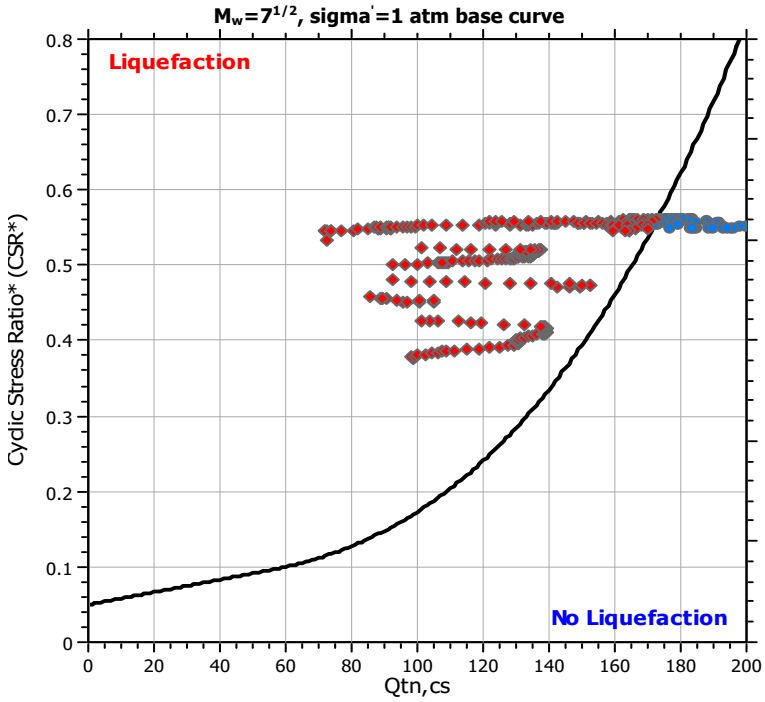

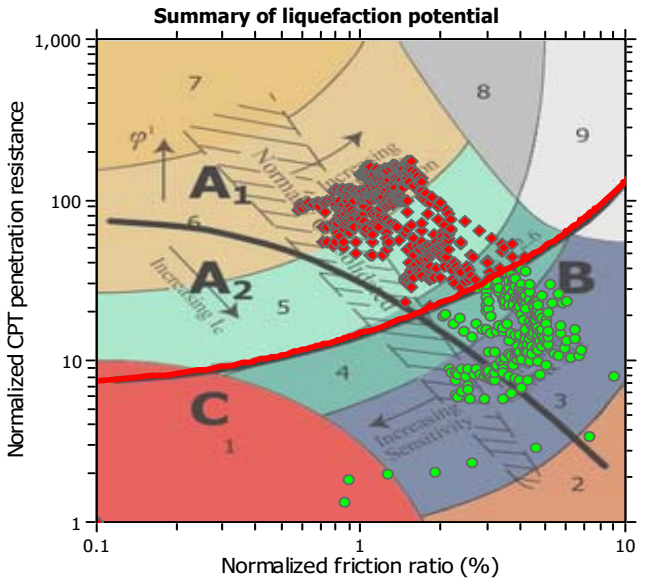

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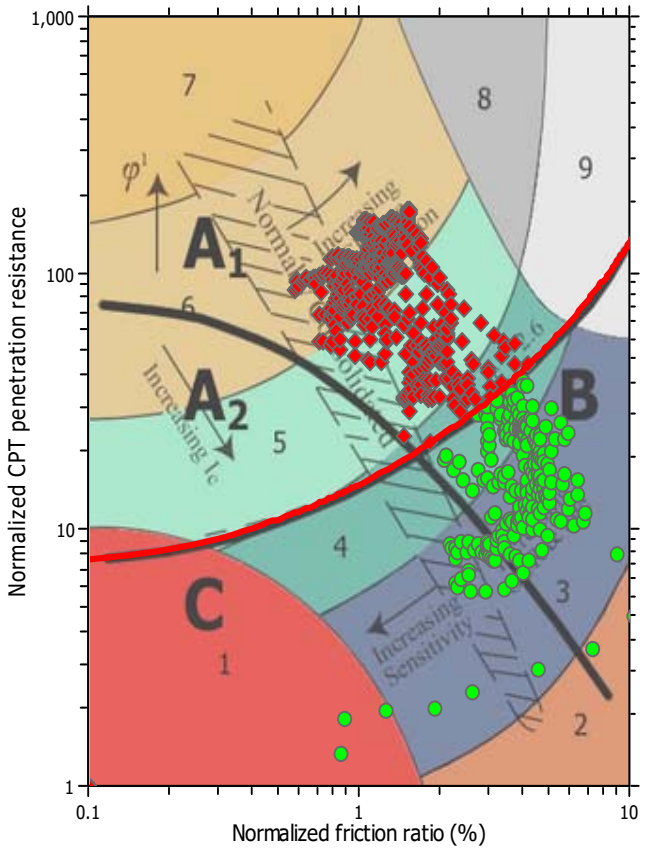

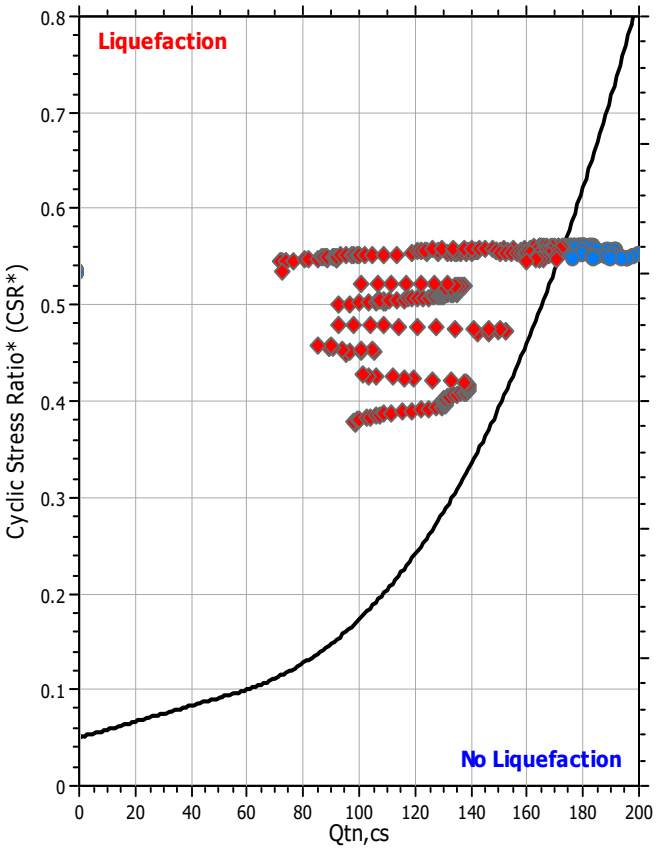

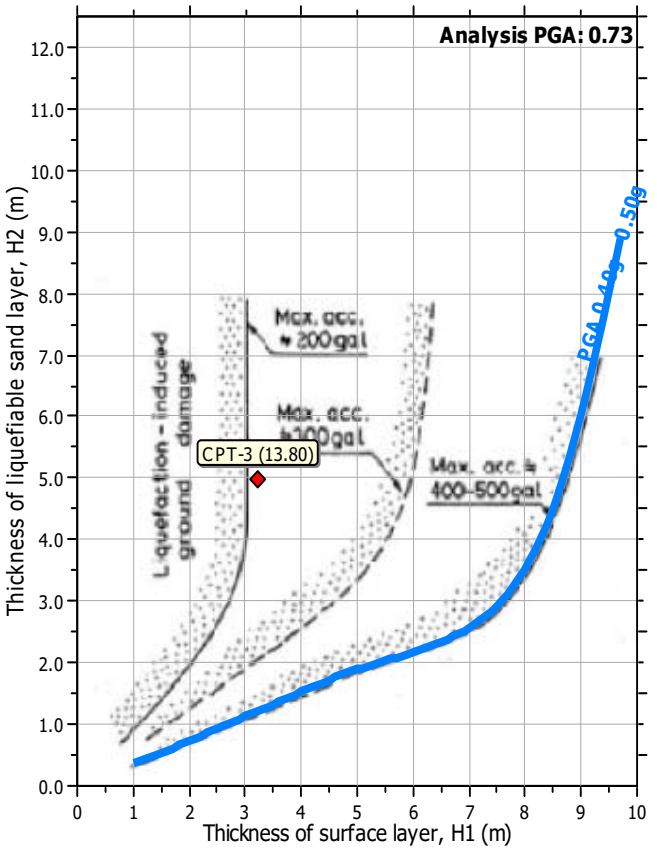

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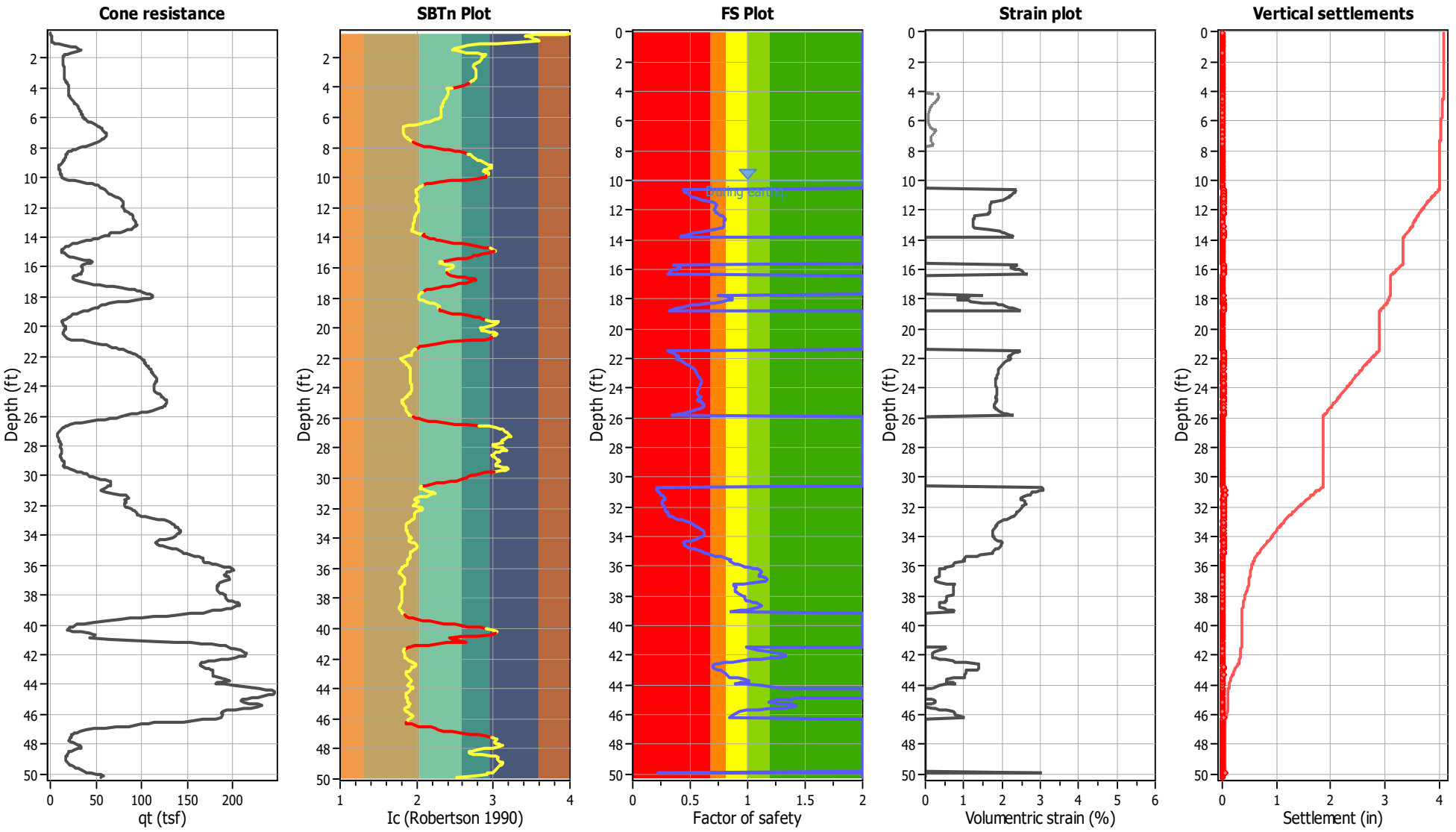

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LIQUEFACTION ANALYSIS REPORT

Project title : 3027.00 **Location : Artesia, CA**

CPT file : CPT-4

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
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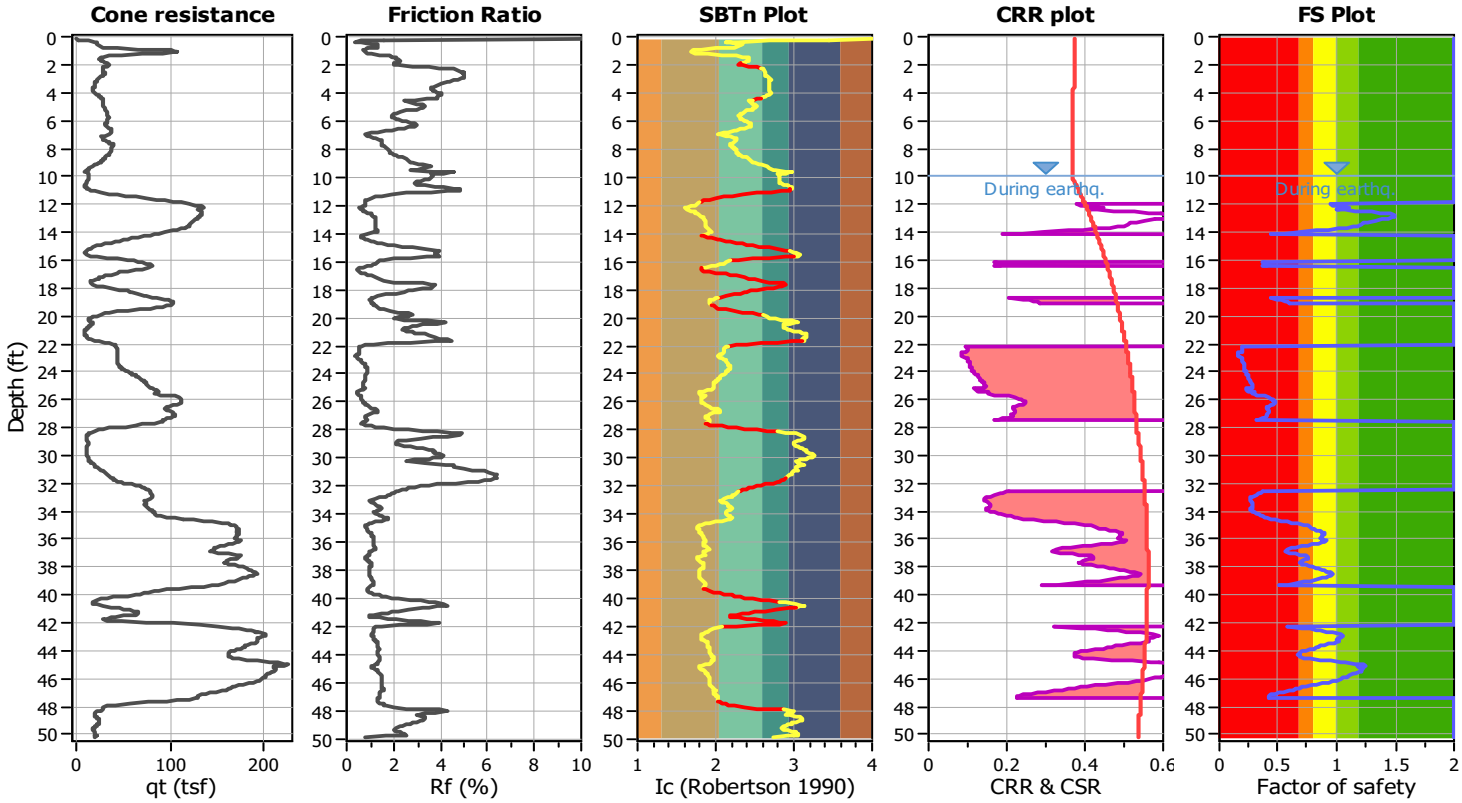

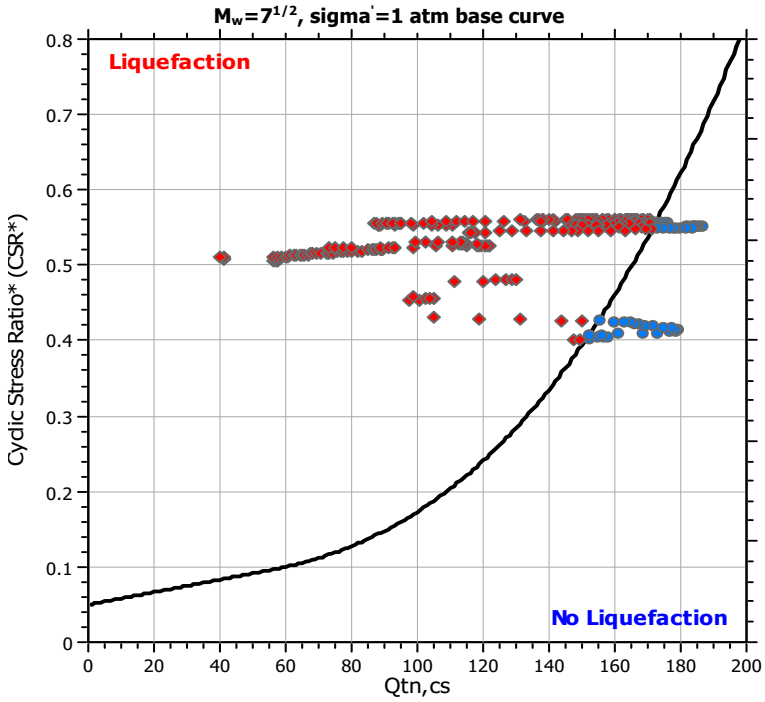

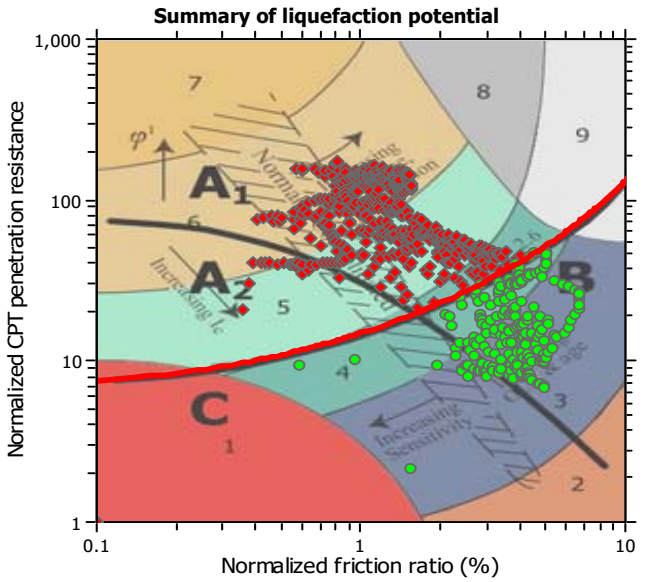

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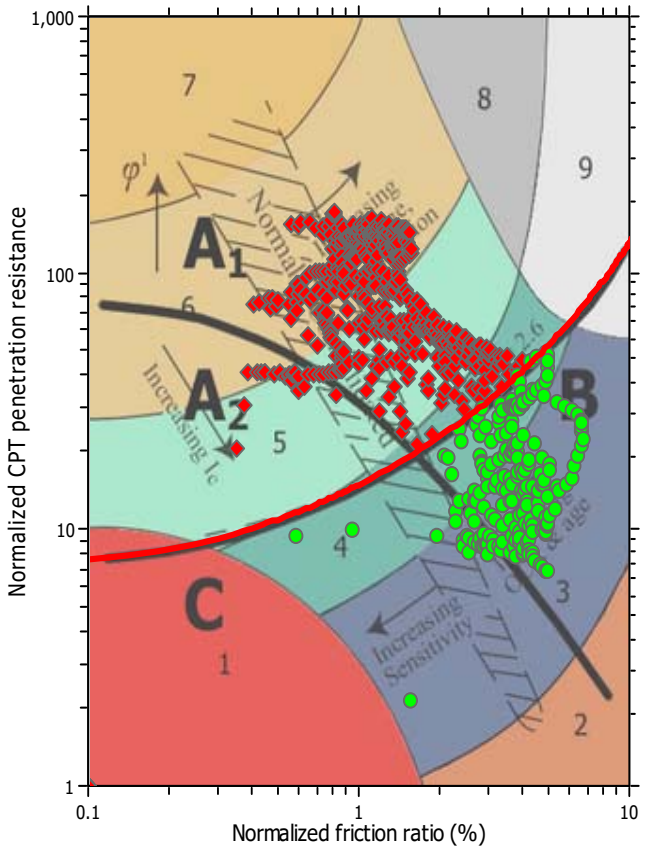

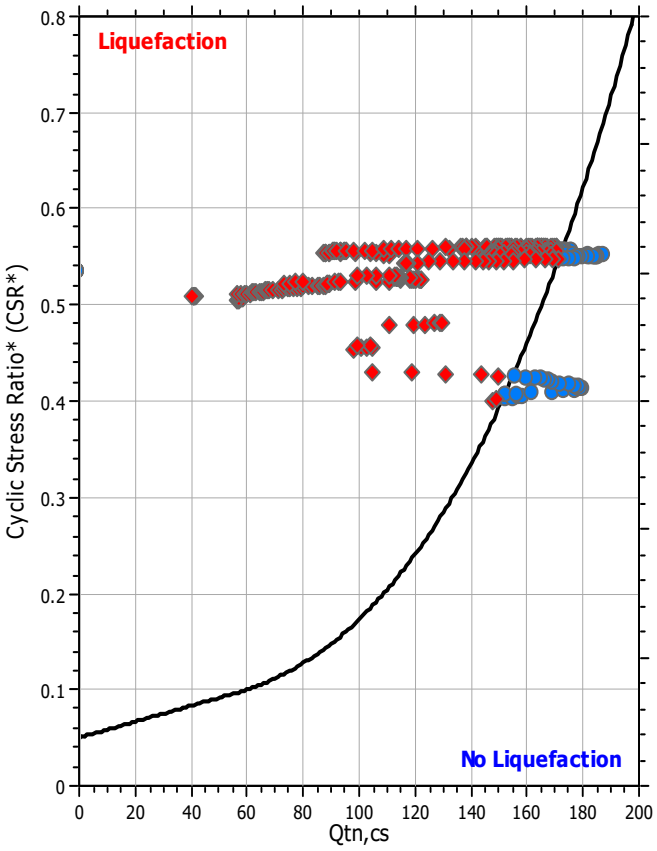

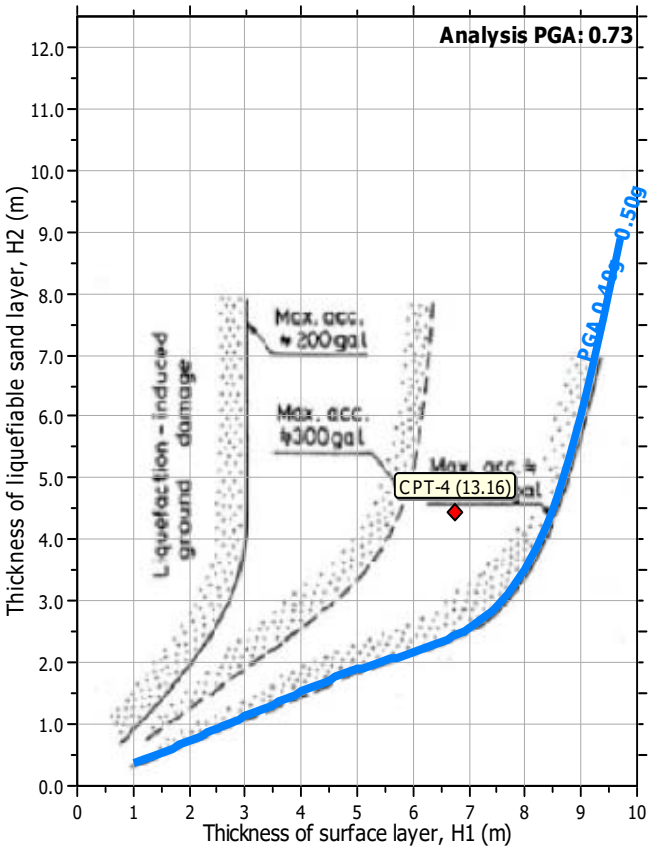

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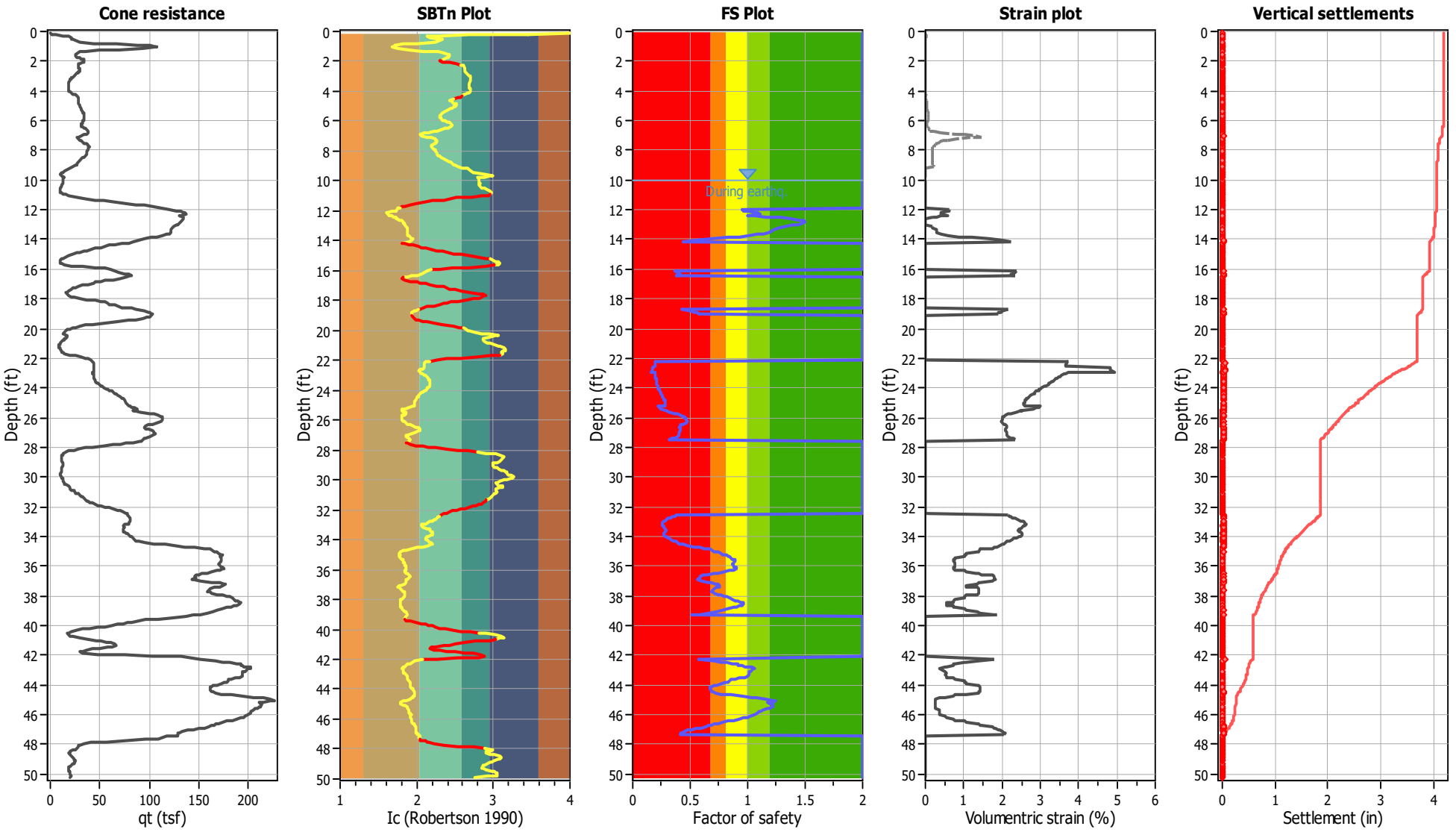

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December 16, 2024
J.N.: 3027.00

Mr. Jordan Gardner
G3 Urban
15235 S. Western Avenue
Gardena, California 90249

Subject: **Revised Update Letter #2, Proposed Industrial Development, 11709 Artesia Boulevard, Artesia, California.**

References: *Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California*, prepared by Albus & Associates, Inc., dated December 7, 2021.

Update Letter, Proposed Industrial Development, 11709 Artesia Boulevard, Artesia, California, prepared by Albus & Associates, Inc., dated November 2, 2023.

Angeleno Associates, Inc. (2024), *Site Plan, Artesia Development, Artesia, CA, sheet A0.1,* prepared by Angeleno Associates, Inc., dated October 21, 2024.

Dear Mr. Gardner,

Pursuant to your request, ***Albus & Associates, Inc***, is providing this update letter to our above-referenced report. We understand the parking lot east of Alburtis Avenue will no longer be a parking lot but will instead be developed with additional housing. Based on the referenced site plan, two additional buildings with 6 units each will be constructed. The additional proposed structures will be at grade and include a drive area, parking areas, and landscaping areas.

Although none of the site exploration conducted and summarized in our referenced report dated December 7 occurred within the parking lot area east of Alburtis Avenue, exploration of the main site west of Alburtis Ave. demonstrates relatively uniform soil conditions throughout the main site. Exploration indicated the site is underlain by alternating layers of sands, silty sands, and sandy silts. Blow counts and in-place densities indicate consistent characteristics of these materials in all three borings. Exploration also included a CPT sounding located directly across from the parking lot portion and is within about 125 feet of the center of the parking lot. This is a distance similar to the spacing of exploration on the main site.

We have also reviewed historical aerial photographs of the area. The parking lot area was first developed as single-family homes between 1952 and 1953. Conditions remained consistent until some time between 1988 and 1991 when the homes were demolished and the property converted to a parking lot. The site remained unchanged through to the present time. We did not identify any activities that appeared to involved significant excavation of earth within the limits of the parking lot area. As such, we anticipate this part of the property is likely underlain by up to 2 feet of artificial fills which are then underlain by alluvial soils consistent with those encountered across the street on the main section of the project.

Based on the updated site development concept, the conclusions and recommendations in our referenced Preliminary Geotechnical Report and Update Letter remain valid and applicable to the current proposed project.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this correspondence, please do not hesitate to call our office.

Sincerely,

ALBUS & ASSOCIATES, INC.

David E. Albus
Principal Engineer
GE 3106

Appendix B

Phase I Environmental Site Assessment and Phase II Subsurface Investigation

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND PHASE II SUBSURFACE INVESTIGATION

11709 ARTESIA BOULEVARD
17208 AND 17212 ALBURTIS AVENUE
ARTESIA, CALIFORNIA

Prepared for:
Artesia & Flallon, LLC and Borstein Enterprises

Prepared by:
Ramboll US Consulting Inc.
Irvine, California

Date:
December 20, 2021

Project Number:
1690009964

RAMBOLL

ENVIRONMENT
& HEALTH

SIGNATURE AND ENVIRONMENTAL PROFESSIONAL STATEMENT

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Stephanie Eckelman

Stephanie Eckelman
Senior Consultant

Brian Bauer, PG
Senior Managing Consultant

Leo Rebele
Principal

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Appendix B: Environmental Database Report
Appendix C: Historical Research Documentation
C.1: Topographic Maps
C.2: Aerial Photographs2021 Ramboll Subsurface Investigation Results – Soil and Soil Vapor Analytical Summary Tables and Analytical Laboratory Reports
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Appendix D: 2021 Ramboll Subsurface Investigation Results – Soil and Soil Vapor Analytical Summary Tables and Analytical Laboratory Reports
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Appendix F: Qualifications of Environmental Professionals

1. SUMMARY OF CONCLUSIONS

Ramboll US Consulting Inc. (Ramboll) was retained by Artesia & Flallon, LLC and Borstein Enterprises (the Client) to perform a Phase I Environmental Site Assessment (ESA) and Phase II subsurface investigation of the vacant, former dairy product processing facility and associated parking lot located at 11709 Artesia Boulevard and 17208 and 17212 Alburtis Avenue in Artesia, California (herein referred to as the "facility" or the "site;" see Figures 1 and 2).

Ramboll's assessment was conducted in connection with a potential purchase of the site. The objective of the Phase I ESA, which was conducted in conformance with the scope and limitations of ASTM International's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E1527-13 (the "ASTM Standard"), and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312), was to identify Recognized Environmental Conditions (RECs), as defined in the ASTM Standard, and the scope of services identified in the August 2021 Master Environmental Consulting Services Agreement (MSA) between the Client and Ramboll, was to identify Recognized Environmental Conditions (RECs) as defined in the ASTM Standard (see Section 8).

1.1 Site Summary

California Dairies Inc. (formerly known as California Milk Producers) owns and maintains a vacant, former dairy product processing facility and associated parking lot in Artesia, California. The parcel located along Artesia Boulevard is approximately 3.33 acres and is currently improved as the former California Dairy manufacturing facility with five buildings totaling over 50,000 square feet. The buildings include a milk and milk product processing plant, two story office building, United States Department of Agriculture (USDA) certified testing laboratory, evaporating, drying and bagging building, a warehouse, and a parts storage building (former fleet garage).

The site was naturally vegetated land from the late 1800s through the early 1940s. By the mid-1950s, the southern and eastern portions of the site were constructed as a dairy processing facility. Residences occupied the northern and western portions of the site between the 1950s and the 1970s. The western portion of the site appears to be occupied by the present day diary manufacturing facility since at least the mid-1970s. The north-eastern portion of the site includes an employee parking lot. The eastern portion of the site was residential between the early 1940s through the 1980s when the parking lot was constructed. The Protected Milk Producers Association owned the site in the 1970s and merged with two other dairy cooperatives in 1974 to form the California Milk Producers. The California Milk Producers (merged to become known as California Dairies Inc. in 1999) has owned the site since 1974 and conducted milk manufacturing operations.

1.2 Recognized Environmental Conditions

Ramboll performed a Phase I ESA of the vacant, former dairy product processing facility and associated parking lot at 11709 Artesia Boulevard and 17208 and 17212 Alburtis Avenue in Artesia, California, in conformance with the scope and limitations of the ASTM Standard. Any exceptions to, or deletions from, this practice are described in Section 7.5 of this report. This assessment has revealed no RECs in connection with the site. Ramboll recommends no further investigation regarding the environmental condition of the site.

1.3 Other Findings

Although not considered to be RECs, Ramboll identified the following notable other findings. The term "other finding" is not defined by ASTM; rather, Ramboll uses the term to connote areas of contingent risk that are not clearly defined by the ASTM Standard.

- **Past Manufacturing Operations at the Site.** Since the early 1950s, the site has been used for milk manufacturing purposes. From the 1970s through at least the 1990s, a tanker truck fleet operated at (and was repaired at) the facility. Milk manufacturing activities may have included the use of petroleum products, acids, caustics, and other chemicals. Multiple subsurface investigations have been conducted at the site, including an August 2020 sampling event conducted by GHD Inc. The results of the GHD sampling indicated that limited concentrations of pesticides (e.g., 4,4'-Dichlorodiphenyldichloroethylene [DDE] at 12 micrograms per kilogram [µg/kg]) and volatile organic compounds (VOCs) are present in soil; however, none of the concentrations exceeded applicable San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) for the site (i.e., industrial/commercial land use). Metals detected in soil which exceeded the applicable ESLs included arsenic, lead, and vanadium (maximum levels 197 milligrams per kilogram [mg/kg], 57.8 mg/kg, and 47.7 mg/kg respectively). No VOCs were detected in groundwater; metals detected in groundwater which exceeded California Maximum Contaminant Levels (MCLs) were limited to mercury (3.31 micrograms per liter [µg/L]). Ammonia and nitrate (maximum concentrations of 648 µg/L and, 94,00 µg/L, respectively) were also detected in the groundwater, and in some locations, nitrate exceeded Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs).

  GHD indicated that lead in soils was likely associated with a former waste oil underground storage tank (UST) located in the same area. The mercury and pesticide detections were attributed to historical pesticide use in agricultural activities. Metal detections appeared to be insoluble forms and did not appear to present a risk. Ammonia appeared present at naturally occurring levels, however nitrate was observed at higher concentrations. GHD indicated that elevated nitrate levels were located in the northern portion of the site boundary and attributed the concentrations to an off-site source.

  Based on the results from the previous Phase II subsurface investigation, Ramboll conducted a subsequent subsurface investigation at the site that included collection of soil and soil vapor samples throughout the site. Samples were collected in areas including former employee and truck parking areas, the former underground storage tank (UST) area, the former truck wash area, former chemical storage area, former main plant chemical storage area, former boiler area storage, and former sump pump area. Soil samples were analyzed for total petroleum hydrocarbons (TPH) and pH, while soil vapor was analyzed for VOCs by United States Environmental Protection Agency's (USEPA) Method 8260. Results from the subsurface investigation indicated that total petroleum hydrocarbons (TPH) were not detected in soil above applicable screening criteria and the pH in soil generally appears to be consistent with normal background conditions. While the sampling results from this investigation did not identify chemicals in soil at concentrations above applicable screening criteria, and the issues described above do not rise to the level of being a Recognized Environmental Condition under ASTM E1527-13, as a precautionary measure Ramboll recommends that the soil be managed in accordance with applicable state and federal regulations during potential future soil disturbance activities.

  In soil vapor, benzene, tetrachloroethene (PCE) and chloroform were the only VOCs detected above applicable Department of Toxic Substances Control (DTSC)/USEPA residential and commercial screening levels using 0.03 as an attenuation factor (AF), which is used for screening purposes but which is neither an official nor controlling standard. Chloroform was the only VOC detected above applicable DTSC/USEPA residential screening levels using 0.001 as an AF (which is the official / adopted attenuation factor). No VOCs in soil vapor were detected above applicable DTSC/USEPA commercial screening levels using 0.001 as an attenuation factor.

- **Former Diesel Fuel and Gasoline USTs.** Two 10,000-diesel fuel, one 10,000-gallon gasoline, and one 500-gallon waste oil USTs were formerly located along the northern site boundary adjacent to the former truck wash area. According to the GeoTracker website, the site is listed on the Leaking Underground Storage Tank (LUST) database. A gasoline release was reported in August 1987 which impacted groundwater. The Los Angeles Regional Water Quality Control Board (RWQCB) closed the case in February 1997. No records were available regarding the cleanup and subsequent closure of the USTs. Site representatives reported that soil excavation activities were conducted, however, a copy of the report was not available for Ramboll's review. Records regarding the UST closure were requested from the Fire Department but have not yet been received. Therefore, Ramboll is unable to evaluate the adequacy of the UST closure. However, there is no apparent current regulatory requirement to evaluate the area, nor is there scrutiny of the site by regulatory officials. Furthermore, Ramboll's subsurface investigation did not indicate the presence of contamination in the vicinity of the UST – and, therefore, actual data shows the former USTs do not represent a Recognized Environmental Condition. Ramboll recommends no further investigation regarding this issue.

  A discussion of *de minimis* conditions and Non-Scope Considerations identified during this review is presented in Section 7.0 of this report.

2. INTRODUCTION

2.1 Scope of Work

Ramboll was retained by Artesia & Flallon, LLC and Borstein Enterprises to conduct a Phase I ESA of the vacant, former dairy product processing facility and associated parking lot in Artesia, California. The Phase I ESA relied upon the references noted below and included the following tasks consistent with the ASTM Standard and the scope of services identified in the Master Environmental Consulting Services Agreement (MSA) between the Artesia & Flallon, LLC and Borstein Enterprises and Ramboll:

- A visit to the site by Stephanie Eckelman and Kelly Chen of Ramboll on December 13, 2021 to observe the exterior and interior features of the site and to identify the uses and conditions specified in Sections 9.4.1 through 9.4.4.7 of the ASTM Standard. In addition, Ramboll observed the adjoining properties from the site or adjacent public thoroughfares. Photographs taken during the site visit are presented in Appendix A.
- An interview during the site visit with the following individual (year of initial hire at the site indicated in parentheses): Frank Noriega, assistant Plant Manager with California Dairies Inc. (1980). The aforementioned individual is referred to herein as "facility personnel." The facility personnel interviewed by Ramboll was identified by the Company as having good knowledge of the uses and physical characteristics of the site.
- A review of information contained in federal and state environmental databases, as obtained from the sources noted below:
  - A radius report prepared by EDR (see Appendix B), which presents the results of searches of federal and state databases for the site, as well as properties near the site. The radius searched for each database, as well as the databases themselves, was selected in accordance with the ASTM Standard.
  - The USEPA's Envirofacts database, which provides site information contained in multiple USEPA regulatory databases.
  - A review of GeoTracker, which provides information with respect to sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker contains records for sites that require cleanup, such as Leaking Underground Storage Tank (LUST) Sites, Department of Defense Sites, and Cleanup Program Sites. GeoTracker also contains records for various unregulated projects as well as permitted facilities including: Irrigated Lands, Oil and Gas production, operating Permitted USTs, and Land Disposal Sites.
  - A review of the California Department of Toxic Substances Control's (DTSC's) EnviroStor website (EnviroStor), which provides information cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known contamination or sites where there may be reasons to investigate further.
  - A review of the California Geologic Energy Management Division (CalGEM) website, which provides information regarding the locations of oil and gas wells.
  - A review of the California EPA Regulated Site Portal available online, which provides information regarding environmentally regulated sites and facilities in California.
  - A review of the National Pipeline Mapping System (NPMS) Public Viewer website, which provides information regarding the locations of hazardous liquid and gas pipelines on and in the vicinity of the Site.

- A review of standard historical sources (included as Appendix C) and local agency inquiries, as defined in the ASTM Standard. The following resources were reviewed:
  - Readily available historical sources (as identified in Section 4.2 of this report and included as Appendix C) to develop a history of the previous uses of the site and surrounding area.
  - Local building permit information for the site, as obtained via EDR's Lightbox application.
  - Historical and site-specific information obtained from the following local agency: County of Los Angeles Office of the Assessor (Assessor). Ramboll also requested information from the City of Artesia Building and Safety Department (Building Department), and the County of Los Angeles Fire Department (Fire Department); however, a response had not been received at the time this report was completed.
  - The Los Angeles County Public Health Inspector no longer maintains hazardous materials business plans/inventory, hazardous waste generator license, California accidental release prevention program as well as spill, and site remediation information. The files are maintained by the Los Angeles County Fire Department-Health Hazardous Materials Division.
- A review of documents obtained during the site visit, including building site plans. Facility personnel reported that underground storage tank excavations, asbestos containing materials, and lead based paint surveys have previously been conducted for the site, however Ramboll was not provided with a copy of the reports.
- A review of physical setting sources, as defined in the ASTM Standard, including:
  - The current United States Geological Survey (USGS) 7.5-minute topographic map that shows the area on which the site is located.
  - Geologic, hydrogeologic, and/or hydrologic sources as provided in the EDR database report and collected during Ramboll subsurface investigation.
- A review of any information provided by the User of this assessment, including information consistent with Appendix X3 of the ASTM Standard. Pertinent information, if any, is discussed in the appropriate sections of this report

This assessment was conducted in accordance with ASTM Standard E1527-13. The standard ASTM scope was expanded to include a limited review of asbestos-containing materials, lead-based paint, mold, and radon based solely on: (i) the ages of the buildings for the potential presence of asbestos and lead-based paint; (ii) information and answers provided on a water intrusion questionnaire completed during the site walk with site representatives for the potential presence of mold; and (iii) information provided in the EDR report relating to the potential presence of radon.

2.2 Significant Assumptions

In conducting this review, no significant assumptions were made, except for the following:

- Site-specific field measurements or other detailed hydrogeological information was not publicly available or reasonably ascertainable. In the absence of such data, Ramboll has assumed that the flow direction of shallow groundwater beneath the site and in the local vicinity generally reflects surface topography. Therefore, in evaluating potential on-site impacts from off-site sources, those off-site facilities not located adjacent to or within one-quarter mile upgradient of the site are not considered likely to represent an environmental concern to the site. This interpretation is based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, although a hazardous material can

migrate in the groundwater in a generally downgradient direction. The lack of information discussed above does not represent a significant data gap.

2.3 Reliance and General Limitations

This report has been prepared for the exclusive use of Artesia & Flallon, LLC and Borstein Enterprises and may not be relied upon by any other person or entity without Ramboll's prior express written permission. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the Master Services Agreement between Ramboll and the Client (the "MSA"), the MSA shall control.

This report is considered current only for a period of 180 days from the site inspection. The conclusions presented in this report represent Ramboll's professional judgment based upon the information available and conditions existing as of the date of this report. In performing its assignment, Ramboll relied upon publicly available information, information provided by the client, and information provided by third parties. Accordingly, Ramboll can neither warrant nor guarantee the extent to which the information provided to Ramboll was accurate and complete. This review is not intended as legal advice, nor is it an exhaustive review of site conditions or facility compliance. Ramboll makes no representations or warranties, expressed or implied, about the condition of the site.

The scope of work for this assignment that included collecting samples of environmental media is detailed in Section 6.0. As such, this review cannot rule out the existence of latent conditions including contamination not identified and defined by the data and information available for Ramboll's review; however, this report is intended, consistent with normal standards of practice and care, to assist the client in identifying the risks of such latent conditions – and, as noted, did in fact include sampling and analyzing soil and soil vapor in connection with the Phase II subsurface investigation.

The scope of work for this assessment did not include an asbestos survey or inspection. According to federal OSHA regulations (29 CFR §1910.1001) and the Model Accreditation Plan (MAP; 40 CFR Part 763, Subpart E, Appendix C), the inspection, testing, evaluation, and/or sampling of suspect asbestos-containing materials must be conducted by an accredited inspector; these activities were not performed as part of this environmental review. Comments in this report regarding the condition of building materials at the site, including presumed or suspect ACM, represent only Ramboll's observations at the time of the site visit and are not intended to be consistent with definitions regarding ACM condition in the Asbestos Hazard Emergency Response Act (AHERA) or in other federal or state asbestos regulations or industry standards.

Other issues considered outside the scope of the ASTM Standard and this review include regulatory compliance, lead in drinking water, wetlands, PCBs in building materials, cultural and historical resources, ecological resources, endangered species, fire safety, and high voltage power lines.

3. SITE DESCRIPTION

3.1 Site Setting

California Dairies Inc. (formerly known as California Milk Producers) owns and formerly operated a dairy product processing facility and associated parking lot located at 11709 Artesia Boulevard and 17208 and 17212 Alburtis Avenue in Artesia, Los Angeles County, California. The approximately 3.33-acre processing facility and 0.248-acre parking lot parcels that comprise the site are located approximately 20 miles southeast of the City of Los Angeles (Figure 1).

According to LA County Assessor Portal, the assessor identification number (AIN) for the processing facility located along Artesia Boulevard is 7035-016-064, and the AINs for the conjoined parking lot parcels located east of Alburtis Avenue are 7035-020-057 (northern parcel) and 7035-020-056 (southern parcel).

The main portion of the site is improved as the former California Dairies Inc. manufacturing facility. Structures include approximately five (5) buildings totaling over 50,000-square-feet. Operations conducted at the buildings include the following:

Table 1: Building Operations Descriptions

Building	Former Operations Conducted
Office and Dispatch	Accounting and dispatch operator office, and raw milk silo room
Main Plant	Offices, United States Department of Agriculture (USDA) Certified Laboratory, main milk product processing plant, evaporators, facility maintenance shop, ammonia and glycol chiller storage room, and small parts storage room
Dryer and Evaporator	Four-story powdered milk dryer and bagging room, evaporator, and wastewater Dissolved Air Flotation (D.A.F.) control room and treatment areas
Dry Storage	Warehouse storage for dry goods
Parts Room	Storage for equipment parts, former fleet garage and repair area

Additional features on the site include two truck parking areas, two employee parking areas, two truck scales, a chemical storage area, truck washing area, as well as multiple silos, aboveground chemical storage tanks, and a boiler area. The eastern portion of the property located along Alburtis Avenue is currently improved as a parking lot used for employee parking with approximately 28 parking spaces that is secured with motorized gates, lighting, and block walls.

The former tanker truck route included entrance off Alburtis Street along the northeastern portion of the site and exit along Artesia Boulevard. Additional tanker truck exit routes included an exit along Fallon Avenue. One small area of landscaping is located along the northwestern corner of the site along Fallon Avenue adjacent to the employee parking lot. There are no on-site surface water bodies.

Table 2 provides an overview of physical setting and utility information for the site.

Table 2: Physical Setting and Utility Information

Conditions	Source	Description
Topography		
Elevation (above mean sea level)	USGS topographic map; Google Earth	The perimeter of the site is approximately 55 to 56 feet, while the center of the site (near the drain inlet) is approximately 54 feet.
Topographic Gradient	USGS topographic map; visual observations; Google Earth	Relatively flat on-site with graded contours directing groundwater flow to the center of the site. Regional topography slopes gently downward to the south.
Local Land Use	Visual observations	The facility is located in a mixed residential and industrial/commercial land use area. North: Property owned by RMH Enterprise, LLC (occupied by Pro-Tech Knives), beyond which is Alburtis Avenue, followed by industrial/ commercial businesses including Pack-Aid (a packaging supply store) and ERS Industrial Cleaning Equipment (a truck/equipment dealer). East: Alburtis Ave, beyond which is an office building owned by Artesia City, the parking area associated with the subject site, and commercial/industrial businesses (including Socal Diesel Repair [truck repair shop], RC Body & Paint [auto body shop], and National Ready-Mix Concrete). South: Artesia Boulevard, beyond which are commercial businesses including an autobody shop, tax preparation service, sports medicine clinic. West: Fallon Avenue, beyond which are a number of commercial businesses (including London's Pub and Grill, Ree's Mask Shop, Cal Plate [printing equipment and supplies], A&Z Electric) and multi-family residences. Vicinity properties are further discussed in Section 7.
Nearest Residence	Visual observations	Adjacent to the west of the site across Fallon Avenue.
Hydrology		
Storm Water Runoff	Visual observations	The site maintains a storm water discharge permit. Storm water is directed from the rooftops and into to a main sewer system drain located within the center of the site. The channeled storm water is analyzed for certain substances (pH, total dissolved solids, etc.) prior to release into the sewer system. In the event of a large rainfall event, a storm water diverter system diverts excess storm water via sheet flow to Artesia Boulevard, where is it diverted into to the municipal storm sewer system.

Table 2: Physical Setting and Utility Information

Conditions	Source	Description
Nearest Surface Water Body to the Site	USGS topographic map; Visual observations	San Gabriel River located approximate 1.25 miles east of the site at its nearest point. The San Gabriel River ultimately discharges to the Pacific Ocean near Long Beach.
Flood Plain	FEMA*; Facility personnel	Facility personnel reported no known occurrences of flooding at the site. The site is located within a 500-year flood zone but outside of a 100-year flood zone.
Wetlands	NWI*; Visual observations	There are no federally-designated wetlands on-site. Ramboll did not identify any obvious suspected wetlands at the site during the site visit.
Geology and Hydrogeology		
Presumed Direction of Shallow Groundwater Flow	USGS topographic map; 2020 Phase II ESA, GeoTracker database	Based on topography and a review of environmental reports from nearby properties found in the California GeoTracker database, groundwater is anticipated to flow in a southwesterly direction.
Depth to Groundwater	2020 Phase II Environmental Site Assessment	During the 2020 Phase II ESA conducted by GHD Services Inc. (GHD), groundwater was encountered at depths ranging from 11 to 17 feet below ground surface (bgs). The 2020 Phase II ESA report also indicates that based on environmental reports from nearby properties found in the California GeoTracker database, groundwater was anticipated to be encountered at 10 to 20 feet bgs.
On-site Wells	Facility personnel; Visual observations	No production, monitoring, or oil or gas wells are located on the site.
Nearest Groundwater Supply Wells	Database report	Nine federally registered wells are present within one mile of the site. One is registered as a public supply well. Approximately 150 private or municipal wells that may be used for water supply are located within one mile in all directions from the site. The database report also identified three oil and gas wells located northwest (2,933 feet), east-northeast (3,401 feet), and northwest (4,904 feet) of the subject site.
Geologic Conditions	Ramboll 2021 Subsurface Sampling	During Ramboll's Phase II soil vapor investigation, on-site soils were described as primarily gravel, sand, sandy silt, and silty sand from the surface to 5 feet. Regional soils are well drained sandy loams with moderate infiltration rates.

Table 2: Physical Setting and Utility Information

Conditions	Source	Description
Site Utility Information		
Heating and Cooling Equipment	Facility personnel	The majority of the site is not heated. Office areas are heated by packaged units. The building is cooled with four cooling towers located in the central portion of the site as well as multiple packaged air conditioning units. A fifth cooling tower contains ammonia and is used in connection with the processing plant.
Natural Gas Service	Facility personnel	The site is provided with natural gas service.
Use of Fuel Oil for Building Heat	Facility personnel	No known current or former use of fuel oil for building heat.
Foam-based Fire Suppression System	Facility personnel	According to facility personnel, the site is not equipped with a built-in foam-based fire suppression system.
Water Supply	Facility personnel; City personnel	The facility receives drinking and process water from the City of Artesia.
Sanitary Sewer	Facility personnel	The facility discharges sanitary wastewater and treated process water to the municipal sanitary sewer system. See Section 3.2.3 for more information on the discharge of process wastewater.
Septic Systems	Facility personnel	No identified current or former septic systems.

Notes:

FEMA = Federal Emergency Management Agency; NCSS = National Cooperative Soil Survey; NWI = National Wetlands Inventory

* - Source was provided in the environmental database report.

During the site visit, Ramboll walked or drove by the borders of the properties that are adjacent to the site. Ramboll did not enter the neighboring properties.

3.2 Current Use of Site

3.2.1 Current Operations

California Dairies Inc. owns and formerly operated a dairy product processing facility and associated parking lot in Artesia, California. The parcel located along Artesia Boulevard is approximately 3.33-acres and is currently improved as the former California Dairies Inc. manufacturing facility with five buildings totaling over 50,000-square-feet. The buildings include the following: a main processing plant with a maintenance area, office and dispatch building, dryer, evaporator, bagging and dissolved air flotation (D.A.F.) treatment area, dry storage warehouse, and a parts room (former fleet garage). Additional features include tanker truck parking areas, employee parking areas, two truck scales, a

main chemical storage area, DAF control room, a number of silos (raw milk, cow water, finished product and wastewater), a 50,000-gallon wastewater holding tank, various aboveground chemical storage tanks, and a boiler room with a water treatment area. The site includes a 0.248-acre property located across Alburtis Avenue which was utilized as employee parking.

The site has been vacant since operations ceased in June 2020. Maintenance-related chemicals and janitorial supplies (e.g., bleach, hand soap, latex paint, hand sanitizer), were used in small quantities (containers of one gallon and smaller). Facility personnel knew of no use of chlorinated solvents by the facility and the use of such chemicals would not be expected based on the nature of current site operations. According to facility personnel, dairy product processing operations remained generally consistent since at least the 1980s until operations ceased in 2020. Since 2020, the site has remained vacant.

3.2.2 Waste Management

Hazardous wastes were not routinely generated at the site, other than the generation of limited amounts of universal wastes (e.g., fluorescent light bulbs, batteries) and waste oil from processing equipment. The site is registered as a small quantity generator (SQG) of hazardous waste (CAL000008617). Sharp's containers located in the USDA certified laboratory area were removed by a third-party medical waste disposal company. The majority of chemical use at the site included descaling and sanitization of equipment and an ammonia and glycol milk product cooling system. Empty/used chemical drums, totes and cylinders were returned to the manufacturer for reuse.

Nonhazardous waste generated at the site consisted of general trash (paper cardboard, office trash) and spent non-hazardous parts washer. Safety Kleen serviced the parts washer. General facility trash was collected in on-site uncovered dumpsters for removal by CR&R Environmental Services. The dumpsters were located on pavement near the point of generation around the site. One remaining dumpster was observed adjacent to the boiler area during the site visit.

3.2.3 Wastewater and Storm Water

Sanitary wastewater, which included wastewater from bathroom and kitchen areas, was discharged to the municipal sanitary sewer system without treatment.

Process wastewater formerly generated by the facility consisted primarily of milk water (*i.e.*, water generated when milk products are evaporated or concentrated), floor wash water, and silo wash water that was used to clean and sterilize the silos between use. Silo wash water was generated when the silo was emptied of liquid substance (e.g., raw milk, cow water, milk product) and the silo required cleaning and sterilization. Sump pumps are used throughout the site to transfer water from discharge area to a treatment area. A mixture of cow water, caustics and/or acids, and City of Artesia water was released into the silo to clean and disinfect the silo and associated piping before reuse. All wash water was reused or directed to either the DAF system or a 50,000-gallon holding tank located along the southwestern edge of the site. The DAF system treated the wash water using chemical coagulation and flocculation. Process wastewater was then pumped into a series of tanks where pH was adjusted prior to discharge to the City of Artesia sewer system. The effluent was monitored and sampled on a routine basis by the City of Artesia and Innovative Consultants Incorporated.

The site maintains a storm water discharge permit. Storm water is directed from the rooftops and into a main sewer system drain located within the center of the site through. The directed storm water is analyzed for certain substances (pH, total dissolved solids, etc.) prior to release into the sewer system. Additional stormwater discharge points are located on the southeastern and southwestern portions of the site.

In the event of a large rainfall event, a storm water diverter system diverts excess storm water from the discharge drain inlet in the center of the site to sheet flow to Artesia Boulevard, where it is diverted into the municipal storm sewer system.

The site was issued a Notice of Violation (NOV) for Waste Discharge System (WDS) effluent limitation violations associated with the discharge of biological oxygen demand (BOD) and chlorine containing wastewater in 2006. In 2008, the site terminated the WDS permit because the wastewater from the milk evaporators was directed to the sanitary sewer system after treatment instead of the stormwater system.

3.2.4 Air Emissions

Air emissions from the facility included combustion products resulting from the operation of the site's two natural gas-fired boilers, four evaporators, a four-story high dryer, as well as cyclones and scrubbers. Additional emissions included limited emissions from minor welding operations and dry goods bagging operations.

4. REVIEW OF PUBLIC RECORDS AND OTHER INFORMATION SOURCES

4.1 Environmental Regulatory Database Review

Ramboll contracted with EDR in December 2021 to prepare a summary of listings in federal and state agency databases for the site and facilities within applicable radii of the site, as specified by the ASTM standard.[1] A copy of the EDR database search report is presented in Appendix B.

4.1.1 Database Review for Site

Ramboll reviewed the results of the state and federal environmental database searches performed by the third-party database provider (see Appendix B) and searched the California GeoTracker and EnviroStor databases. The site is listed on several environmental databases, as discussed in Table 3.

Table 3: Summary of Environmental Database Listings for the Site

Summary of Information Contained in Database	Ramboll's Comments
The site is listed on the GeoTracker database as a Leaking Underground Storage Tank (LUST) cleanup site. According to the listing, a gasoline leak was discovered on 7/30/1987 which potentially impacted groundwater. California Milk Producers is listed as the claimant under the LUST CUF Claim Status. The status for the incident is listed as completed – as closed as of 2/7/1997.	According to the previous Ph I prepared for the site, four historical USTs were removed from the site, however closure documentation was not available. The Ph I indicated all former USTs were removed from the site. The site received closure from the RWQCB on 2/7/1997. This matter is further discussed in Section 7.
California Milk Producers is also listed on the UST, Statewide Environmental Evaluation and Planning System (SWEEPS UST), Historical UST (HIST UST), HIST CORTESE, and CORTESE Hazardous Waste & Substances Sites List databases. The historical SWEEPS UST database lists seven tanks formerly located at the site. The contents listed vary from diesel to not reported. The HIST UST listing notes seven tanks including four 10,000-gallon tanks containing diesel (year installed not reported), two 10,000-gallon tanks containing diesel (installed in 1978, likely two of the same tanks listed previously), and a 500-gallon tank containing waste oil (installed in 1981). The CA Facility Inventory Database UST database (facility ID 19001558) listing status is listed as active. The HIST CORTESE database (registration ID I-01249), CORTESE, and California Environmental Reporting System (CERS) database listings pertain to the previously discussed LUST cleanup site with the cleanup status listed as completed – case closed (global ID T0603702769).	As noted above, at least four USTs were located and removed from the site. Although both the SWEEPS UST and HIST UST listings state seven historical USTs, it is likely multiple listings were issued for the same tank. Facility personnel indicated no remaining tanks were at the site.

[1] EDR uses the term "radii" to refer to the ASTM terminology "approximate minimum search distance" in the environmental database report.

Table 3: Summary of Environmental Database Listings for the Site

Summary of Information Contained in Database	Ramboll's Comments
California Milk Products is listed on the Enforcement (ENF), Waste Discharge System (WDS), and California Integrated Water Quality System (CIWQS) databases.	The site was listed on the ENF database associated with WDS effluent limitation violations in 2006. The site terminated its WDS permit that allowed for discharge of treated condensate water from milk evaporators to the storm drain because the wastewater was redirected to the sanitary sewer system following treatment. No other violations were associated with the CIWQS.
1x California Milk Producers Inc is listed in the HWTS and RCRA databases as a non-generator/no longer regulated (NonGen/NLR). The generator numbers noted on the HTWS database include EPA ID CAC000072629 (inactive date of 10/25/2000) and EPA ID CAC000857104 (inactive date of 10/25/2000). The NonGen/NLR (EPA ID: CAL000008617) was issued on 11/14/1989. Owner/operators include Thomas Williams and California Dairies, Inc.; California Dairies, Inc. is also listed as a historic generator (not a generator as of 11/14/1989). No violations or evaluations are listed.	The listing does not suggest a contamination concern to the site. Hazardous waste generation is further discussed in Section 3.2.2.

Notes:

* The site is also listed on the following databases related to regulatory compliance: Toxics Release Inventory System (TRIS), Enforcement and Compliance History Online (ECHO), Emissions Inventory (EMI), California Environmental Reporting System (CERS), Integrated Compliance Information System (ICIS), National Pollutant Discharge Elimination System (NPDES), hazardous facility and manifest system (HAZNET), and Facility Index System/Facility Registration System (FINDS). Listings on these databases, by themselves, are not necessarily indicative of contamination.

4.1.2 Database Review for Adjoining Properties

Based on a review of the environmental database search report, Ramboll identified the adjoining sites listed in Table 4 on databases indicative of a potential contamination concern.

Table 4: Contamination-Related Database Listings for Adjoining Properties [1]

Listing Name or Address and Location Relative to the Subject Site	Summary of Information Contained in Database	Ramboll's Comments
JMC Truck Repair/SoCal Diesel Repair 17224 Alburtis St (Adjoining to the east across Alburtis Street, and adjacent to the south of the parking lot parcel)	JMC Truck Repair is listed in the CERS database (name includes SOCAL DIESEL REPAIR, LLC) with the CERS description listed as chemical storage facilities (CERS ID 10279633 and site ID 437836). The listing includes a number of violations which the facility has returned to compliance. JMC Truck Repair is also listed in the CERS HAZ WASTE database as a hazardous waste generator. Social Diesel Repair LLC is also listed in the RCRA NonGen/NLR database.	The listings do not suggest a contamination concern to the site. Ramboll recommends no further investigation regarding this issue.
National Ready Mixed Concrete 11725 Artesia Blvd (Adjoining to the east across Alburtis Street)	The property is listed in the CERS HAZ WASTE database as a hazardous waste generator. The property is also listed in the SWEEPS UST, CA Facility Inventory Database (FID) UST, LOS ANGELES CO. Industrial Waste and Underground Storage Tank (HMS) and CERS TANKS databases. The property is listed in the CERS database for maintaining and reporting storing hazardous waste and chemicals at the property. The listing includes a number of violations.	The property is not listed on databases indicative of an environmental release, thus these listings do not suggest a contamination concern to the site. Ramboll recommends no further investigation regarding this issue.

Table 4: Contamination-Related Database Listings for Adjoining Properties [1]

Listing Name or Address and Location Relative to the Subject Site	Summary of Information Contained in Database	Ramboll's Comments
George Veroeven Feed Co 11735 E Artesia Blvd (Adjoining to the east across Alburtis Street)	The property is listed on the LUST, LOS ANGELS CO HMS, SWEEPS UST, HIST UST, CA FID UST, CORTESE, HIST CORTESE, and CERS databases. The property experienced a gasoline release which impacted groundwater in 1996. The property received closure from the RWQCB on December 12, 1996. No further information is available on the GeoTracker database.	Ramboll reviewed records available on the Geotracker database. Because the gasoline release to the groundwater was granted regulatory closure, it is reasonable to assume the matter was appropriately evaluated in accordance with regulations in place at the time, and that remaining contamination from the cross-gradient property, if any, is localized and unlikely to migrate at significant concentrations onto the site. Ramboll recommends no further investigation regarding this issue.
Cal Plate 17110 Jersey Ave (Adjoining to the northwest)	The property is listed in the HWTS, CERS, LOS ANGELES CO. HMS, CERS HAZ WASTE and RCRA-SQG database. The CERS listing includes a number of violations from 2014 2018 for which the facility appears to have returned to compliance. The property is listed as a RCRA-SQG of hazardous wastes (EPA ID: CAD983636242). No violations or evaluations re listed.	These listings do not suggest a contamination concern to the site. Ramboll recommends no further investigation regarding this issue.
Strongbox Industries 17203 Fallon Ave (Adjoining to the west across Fallon Avenue)	The property is listed in the LUST, CORTESE, HIST CORTESE, and SWEEPS UST databases. A leak was discovered from piping on 12/08/1988 during tank closure, and it was reported on 5/11/1989 (facility ID R-14475). The potential contaminant of concern is listed as gasoline with soil being listed as the potential media impacted. The status is listed as completed – case closed as of 10/01/1990 (old case # is listed as 102089-03.	Ramboll reviewed records available on the Geotracker database. Because the gasoline release to the soil was granted regulatory closure, it is reasonable to assume the matter was appropriately evaluated in accordance with regulations in place at the time, and that remaining contamination, if any, is localized and unlikely to migrate at significant concentrations onto the site. Ramboll recommends no further investigation regarding this issue.

Table 4: Contamination-Related Database Listings for Adjoining Properties [1]

Listing Name or Address and Location Relative to the Subject Site	Summary of Information Contained in Database	Ramboll's Comments
Elroy Painting Contractor 17220 Jersey (Adjoining to the west across Fallon Avenue)	The property is listed in the Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) (SLIC: 0135) as a cleanup program site related to VOCs (global ID SLT4307977) in 1965. Shallow soil contamination was noted in the no further action (NFA) letter. The facility status is listed as no further action required as of 6/16/1965. The property is also listed in the CERS database as a cleanup program site (site ID 188691 and CERS ID SLT4307977).	Based on the case closed status and the soil only impacts, it's unlikely that this cased closed property has adversely impacted the site. Ramboll recommends no further investigation regarding this issue.
O'Brien Cal Cogen Ltd 17306 Fallon Ave (Adjoining to the west) John Wynega 11645 Artesia Blvd (Adjoining to the west) Ms Claudia Covert 11655 Artesia Blvd (Adjoining to the west)	The three properties are listed on either the UST or SWEEPS UST databases only.	Based on the lack of listing on a database of environmental concern, these off-site properties are unlikely to pose a contamination concern to the site and is not discussed further herein. Ramboll recommends no further investigation regarding this issue.

Notes:

[1] Ramboll's analysis of adjoining sites was based on observations made during the site reconnaissance (as discussed in Table 2) and location information for off-site listings as presented in the database report. Also, for purposes of this analysis, Ramboll considers as "adjoining" properties that are adjacent, even if separated by a road or other physical barrier. Ramboll has not included a discussion of compliance-related databases in this table, as Ramboll considers it unlikely that off-site properties listed on compliance-related databases without indication of a release or chemical mishandling represent a potential risk for contamination to the subject site.

[2] The RGA databases are EDR proprietary databases that identify prior versions of the database in which a site was listed. Recovery Act (RCRA) database as a non-generator of hazardous waste.

4.1.3 Database Review for Other Surrounding Properties

There are several listings in the environmental database report for non-adjoining off-site facilities within applicable ASTM search radii; however, Ramboll has only identified one property that is likely to represent a potential contamination concern to the site.

PRL Glass Systems 177004 Alburtis Avenue is located approximately 364 feet north-northwest of the site. The property is listed on the CPS-SLIC database due to a release of VOCs (namely PCE and trichloroethene [TCE]) to soil and groundwater. The property is under active oversight of the RWQCB. According to documents reviewed on GeoTracker, the property is conducting groundwater and subsurface soil vapor monitoring activities. The area of concern appears to be limited to the northeast portion of the property. The extent of the groundwater contamination has not been delineated, however groundwater flow reported at the property is from the northeast to the southwest, away from the site. Based on the available information, there is no indication that contamination from the off-site property is migrating to the site. The contamination is being addressed with regulatory oversight. There were no poor or inadequate addresses ("orphan sites") listed on the EDR database. Ramboll concludes that this facility is unlikely to represent an environmental concern to the site and recommends no further investigation regarding this issue.

4.2 Historical Uses of the Site and Adjacent Properties

4.2.1 Past Uses of the Site

The site was either utilized for agriculture or naturally vegetated land from the late 1800s through the early 1940s. By 1947, the south-eastern portion of the site appears utilized for either warehousing or light industrial purposes. The southern and eastern portions of the dairy processing facility were first developed in the early 1950s, while the central and northern portions of the site appear utilized as residential land. The site appears to be occupied by the present day diary manufacturing facility since at least the mid-1970s. The parking lot property along the eastern portion of the site across from Alburtis Avenue appears as residential from at least the 1950s through the 1980s when it was converted into a parking lot.

A summary of Ramboll's key observations from the available historical sources is presented in Table 5.

Table 5: Summary of Key Observations from Historical Sources for the Site

Historical Source	Key Observations Regarding Site History
Aerial Photographs (1928, 1938, 1947, 1952, 1963, 1970, 1977, 1983, 1989, 1994, 2002, 2005, 2009, 2012 and 2016) Satellite Imagery [1] (1985 to 2021)	1709 Artesia Boulevard The 1928 and 1938 aerial photographs depict the parcel as either naturally vegetated or agricultural land. In 1947, a rectangular industrial or warehouse structure is depicted at the southeast corner of the parcel, and a dirt road appears present that extends from the northern parcel boundary. By 1952, the industrial or warehouse structure appears larger in configuration. Additional structures on the site appear to be approximately five residential dwellings located along the western and northern portions of the site. The 1963 and 1970 photographs depict the southern portion of the site as developed with commercial and/or industrial buildings while the central and northern portions of the site appear occupied by single and multi-family residences. The southwestern corner of the site appears utilized as a paved parking lot. Multiple tanker trucks appear along the eastern portion of the site adjacent to the industrial building. Silos first appear at the site in 1970. The 1977 photograph depicts the site with multiple structures similar to present day configuration, however a rectangular building appears in the northwestern portion of the site in the present day employee parking lot and the southwestern corner of the site remains a parking lot. Additional silos appear in the 1983 photograph. The 1989 and subsequent photographs depict the site similar to present day configuration. 17208 And 17212 Alburtis Avenue The 1928 and 1938 aerial photographs depict the present-day parcels as either naturally vegetated or agricultural land. By 1952, the parcels appear to be developed for residential use with two residential sized structures. The parcel appears to remain residential until 1989. In the 1989 aerial photograph, the parcels appear to be developed as a parking lot. The aerial photographs are limited in quality but appear to depict the parking lot with no structures through 2016. An approximately forty square foot area of staining appears visible in satellite imagery in September 2018. No staining is depicted in September 2019. No environmental concerns are noted.
Topographic Maps (1896 to 2018)	1709 Artesia Boulevard A residential sized structure is depicted at the western portion of the site from as early as 1896 through 1902. No development is depicted from 1923 to 1945. By 1947, a structure appears at the southern portion of the parcel. By 1949, one rectangular shaped structure is present at the southeast corner of the parcel. In the 1964 and subsequent maps, the site is depicted as located within a built up area and no structures are depicted at the site. 17208 And 17212 Alburtis Avenue A small residential sized structure appears at the parcel from 1896 through 1902. The 1923 through 1949 maps do not depict structures at the parcel. By 1950 the site is depicted as part of a developed area. No environmental concerns are noted.
City Directory Abstracts (1965, 1994, 1999, 2000, 2006, 2009, and 2004)	The occupants of the site are listed as: 171709 Artesia Boulevard. California Milk Producers (1994), California Milk Producers Main Plant (1999), CA Dairies Inc (2006), and California Milk Producers (2009), California Dairies Inc (2014) 11709 Artesia Boulevard East CA Milk Producers (2000)

Table 5: Summary of Key Observations from Historical Sources for the Site

Historical Source	Key Observations Regarding Site History
	17212 Alburtis Avenue: Mary L Castodio (1964) City directory information was not provided for 17208 Alburtis Venue.
Chicago Title Company	According to the preliminary report from the Chicago Title Company, the title to the property at Artesia Boulevard (APN 7035-016-064) and the property at Alburtis Avenue (APNs: 7035-020-056 and 7035-020-057) comprising the subject site is said to be vested in California Milk Producers, a California corporation.
Los Angeles County Assessor Portal	Los Angeles County Assessor records available online indicate that the AINs for the site are 7035-016-064 for the western parcel and 7035-020-057, and 7035-020-056 for the eastern parking lot parcels.

Notes:

[1] In addition to aerial photographs provided by EDR, Ramboll viewed historical satellite imagery provided via Google Earth. Printed copies were not obtained, and imagery dates were not independently verified.

EDR reported that Sanborn fire insurance map coverage is not available for the site.

4.2.2 Past Uses of Adjacent Properties

The properties in the vicinity of the site have primarily been used for agricultural or residential purposes from the early 1920s through the 1950s. By 1952 the vicinity appears a mix of residential properties to the west and commercial or light industrial to the east. A concrete manufacturing plant appears east of the site by the 1960s. The vicinity appears largely a mix of light industrial (north and east), commercial (south) and residential (west) properties from the 1980s to present day.

4.3 Review of Local and State Agency Information

Ramboll visited or otherwise contacted local governmental agencies and regulatory bodies for information relating to the site. An overview of the findings of this review is presented in Table 6.

Table 6: Local Agency Information for the Site

Agency Contacted / Document Reviewed	Information Obtained
Los Angeles County Assessor Portal	Los Angeles County Assessor records available online indicate that the AINs for the site are 7035-016-064 for the western parcel and 7035-020-057, and 7035-020-056 for the eastern parking lot parcels. The western parcel's "use code" listed a one story beverage industrial food processing plant. Additional "use codes" include a commercial office building, a parking lot, and a warehouse. The initial 12,272 square foot processing plant was constructed in 1950. A 14,000-square foot parking lot was constructed at the site in 1958. The 6,814 square foot warehouse and additional 1,057 square foot industrial plant buildings were constructed in 1960. The 7,147 square foot commercial office building is listed as constructed in 1966 and renovated in 1976. The eastern parking lot parcels were constructed as a 10,800 square foot conjoined parking lot in 1989.

Table 6: Local Agency Information for the Site

Agency Contacted / Document Reviewed	Information Obtained
City of Cypress Building Department/City Clerk's Office	Ramboll requested information from the building department regarding building records including all building permits and certificates of occupancy. As of the date of this report, a response had not been received from the building department
Los Angeles County Fire Department-Health Hazardous Materials Division	Ramboll requested information from the fire department health hazardous materials division concerning the utilization, manufacture, storage and/or discharge of hazardous materials/waste, and any information concerning previous or on-going site investigations/remediations pertaining to hazardous materials/waste. As of the date of this report, a response had not been received from the fire department.

4.4 Previous Environmental Assessments and Activities

Based on a review of historical site documents and interviews with facility personnel, prior environmental assessment and UST removal activities have been conducted at the site, as summarized below. Pertinent historical and site-related information contained in the prior report has been incorporated into other sections of this report.

- **2020 Phase I ESA**. In July 2020, GHD, in association with investigating Business Environmental Risk (BER), conducted a Phase I ESA at the site. The Phase I ESA report did not identify the presence of any RECs at the site, however GHD did note five findings. The findings included historical on-site structures, historical site use, potential agricultural chemical impacts form historical operations, former on-site diesel and gasoline UST releases, and potential migration of impacts from an adjoining concrete manufacturing facility.
- **2021 Phase II Environmental Site Assessment (ESA)**. Based on information gathered during the prior Phase I ESA, GHD conducted a Phase II subsurface investigation at the property located at 11709 East Artesia Boulevard that included the drilling of six soil borings throughout the parcel which were advanced to 25 feet bgs; grab groundwater samples were collected from each boring. The soil samples were analyzed for VOCs, semi-volatile organic compounds (SVOCs), organochlorine pesticides, polychlorinated biphenyls (PCBs), herbicides, CAM 17 metals, and Total Petroleum Hydrocarbons (TPH). Groundwater samples were analyzed for ammonia, nitrates and nitrites, CAM 17 metals, TPH, VOCs, and SVOCs.

  GHD results indicated that limited amounts of pesticides (e.g., 4,4'-DDE maximum detection-12 µg/kg) and VOCs are present in soil; however, none of the concentrations exceed appropriate ESLs for the site (i.e., industrial/commercial land use). Metals detected in soils which exceeded the appropriate ESLs included arsenic, lead and vanadium (maximum detection-197,000 micrograms per kilogram [µg/kg], 57,800 µg/kg, and 47,700 µg/kg respectively). No VOCs were detected in groundwater; metals detected in groundwater which exceeded MCLs were limited to mercury (3.31 micrograms per liter [µg/L]). Ammonia and nitrate (maximum levels 648 µg/L, 94,00 µg/L) were also present in the groundwater, and in some locations, nitrate exceeded EPA MCLs.

4.5 Interviews

During the site inspection, an interview was conducted with personnel responsible for management of the site. Frank Noriega, the Assistant Plant Manager of California Dairies Inc. since 1980, indicated the site has been a diary processing facility since at least 1980.

4.6 User-Provided Information

Ramboll provided Artesia & Flallon, LLC and Borstein Enterprises with a User Questionnaire (consistent with Appendix X3 of the ASTM Standard) that requested information relating to environmental liens, activity use limitations (AULs), specialized knowledge of the site, property value diminution, chain-of-title, or any other commonly known or obvious indications of site contamination, that was not otherwise provided to Ramboll. The User did not provide any information that was not otherwise obtained and reviewed by Ramboll.

5. SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Ramboll conducted a visit to the site on December 13, 2021. During the site visit, observations of both the interior of the buildings and exterior portions of the site were made to evaluate if any RECs, as defined in Chapter 7, are present. Ramboll did not observe the roofs of the buildings.

5.2 General Site Setting and Observations

Ramboll made observations concerning the interior and exterior issues specified in Sections 9.4.2 through 9.4.4 of the ASTM E1527-13 Standard. The presence or absence of each issue of environmental interest or concern is noted in Table 7. Additional information regarding observed and historical items is provided in the sections following the table.

Table 7: Summary of Site Reconnaissance Observations

ASTM Section	Issue	Observation
Interior and Exterior Issues		
9.4.2.1	Current use(s) of the site	See Section 3.2
9.4.2.2	Past use(s) of the site	See Section 4.2
9.4.2.3	Hazardous substances and petroleum products used, treated, stored, disposed of, or generated on the property in connection with identified present or past uses	**Present/Formerly Present** (see Section 5.2.1)
9.4.2.4	Storage tanks: Underground storage tanks (fill ports, vent pipes, manholes) Aboveground storage tanks	(see Sections 5.2.2 and 5.2.3) **Formerly Present** **Present**
9.4.2.5	Odors (strong, pungent or noxious)	Absent
9.4.2.6	Pools of liquid, standing surface water or sumps	**Present** (see Section 5.2.4)
9.4.2.7	Drums of hazardous substances or petroleum products (five-gallon, 55-gallon or totes)	**Formerly Present** (see Section 5.2.1)
9.4.2.8	Hazardous substance and petroleum product containers (not necessarily in connection with identified uses)	**Present** (see Section 5.2.1)
9.4.2.9	Unidentified substance containers suspected of containing hazardous substances or petroleum products	Absent

Table 7: Summary of Site Reconnaissance Observations

ASTM Section	Issue	Observation
9.4.2.10	Polychlorinated biphenyls (PCBs) Electrical equipment on-site (e.g., transformers, capacitors) Electrical equipment known or likely to contain PCBs Hydraulic equipment on-site (e.g., elevators, truck dock lifts) Hydraulic equipment known or likely to contain PCBs	(see Section 5.2.5) **Present** Unlikely **Present** Unlikely
Interior Issues		
9.4.3.1	Heating/cooling systems	**Present** (see Table 2)
9.4.3.2	Stains or corrosion on interior floors, walls or ceilings (except for staining from water)	**Present** (see Section 5.2.6)
9.4.3.3	Floor drains and interior sumps	**Present** (see Section 3.2.3)
Exterior Issues		
9.4.4.1	Pits, ponds or lagoons on property or adjacent sites	Absent
9.4.4.2	Stained soil or pavement	Absent
9.4.4.3	Stressed vegetation (from other than insufficient water)	Absent
9.4.4.4	On-site solid waste disposal; areas apparently filled or graded by non-natural causes; or mounds or depressions suggesting solid waste disposal	Absent
9.4.4.5	Wastewater or other liquid (including storm water) or any discharge into a drain, ditch, underground injection system or stream on or adjacent to the property	**Present** (see Section 3.2.3)
9.4.4.6	Wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells)	Absent
9.4.4.7	Septic systems or cesspools	Absent
Non-Scope Considerations		
N/A	Asbestos Containing Materials	(see Section 5.2.7)
N/A	Lead-Based Paint	(see Section 5.2.8)
N/A	Water Intrusion	(see Section 5.2.9)

Table 7: Summary of Site Reconnaissance Observations

ASTM Section	Issue	Observation
N/A	Radon	(see Section 5.2.10)

Notes:

Observations noted in this table and discussed further below are based on information obtained during the site visit and from a review of the sources summarized in Section 4.

See the ASTM Standard for a detailed description of the issues included in each referenced ASTM section.

Per the ASTM Standard, fluorescent light ballasts likely to contain PCBs are not considered.

N/A – Not applicable.

5.2.1 Hazardous Substances and Petroleum Products

The majority of the hazardous wastes and chemicals present at the site were removed by Chemco after operations on the site were halted in June 2020. Limited amounts of retail-sized quantities of maintenance chemicals and janitorial chemicals remained in fire safety cabinets and within storage rooms at the site. Small quantities of propylene glycol remain in the cooling system at the site.

Historical hazardous materials and chemicals used at the site included the following: acetylene, propylene glycol, powdered floor treat, citric acid, phosphoric acid, Camco 717 HT, lubricant oil, acid sanitizer 6552, sodium bicarbonate, Chemco 51 (alcohols), surfactant, Flo-Quat, Subdue Plus (alcohols), Commence (benzyl sulfonic acid, sodium carbonate peroxyhydrate, trisodium orthophosphate), Adhere (sodium hydroxide mixture), Enerex 9900C (sodium hydroxide sulfite), Enerex 205L (potassium hydroxide), motor oil, argon, argon/CO2 mixture, oxygen, Tornado (soda ash, sodium hydroxide, pine oil), Chemquest 11596 (etidronic acid), salt crystals, aluminum chlorohydrate water, and ethoxylated alcohol (2020 Phase I).

At the time of the site visit, only empty containers which had previously stored chemicals were present. Pavement beneath all the chemical storage containers and ASTs appeared to be in good condition and no evidence of releases was apparent. Facility personnel indicated that no hazardous wastes are generated currently due to the dairy processing facility being closed (See Section 4.2.1 for previous site activities).

5.2.2 Underground Storage Tanks

A total of four USTs were formerly located at the site and were removed around 1997. Pertinent information regarding these USTs is provided in Table 8. The site is listed on the LUST database for a release which impacted groundwater. Further information regarding sampling and closure activities is included in Section 4.1.1.

Table 8: Underground Storage Tanks

Number and Size (gal.)	Contents	Location	Key Dates	Regulatory Closure Granted?	Notes
Decommissioned/Closed-in-Place/Removed					
2 x 10,000	Diesel fuel	North of Truck Bays	Year of installation unknown, removed by 1997	Yes	Provided fuel for trucks
1 x 10,000	Gasoline	North of Truck Bays	Year of installation unknown, removed by 1997	Yes	Provided fuel for trucks
1 x 500	Used Oil	North of Truck Bays	Installed 1981; removed by 1997	Yes	Non-vaulted, single-walled

5.2.3 Aboveground Storage Tanks

Several aboveground storage tanks (ASTs) were formerly maintained at the site, as summarized in the table below. Facility personnel knew of no leaks or spills relating to the tanks, and Ramboll observed no evidence of staining or past releases at the time of the site visit. Facility personnel indicated that all ASTs were decommissioned and emptied by Chemco when the facility ended all operations in June 2020.

Table 9: Aboveground Chemical and Petroleum Storage Tanks and Bulk Containers

Location	# of tanks	Contents	Sizes	Observations
Between Dry Storage and Silo Room	1	Sodium Hydroxide (Dominate)	6,000 gallons	Concrete beneath AST is in good condition and no evidence of spills or releases were observed.
Between Dry Storage and Silo Room	1	Nitric Acid/Phosphoric Acid (Dazzle)	5,000 gallons	Concrete beneath AST is in good condition and no evidence of spills or releases were observed.
In Main Plant	1	Hydrogen Peroxide/Acetic Acid/Peracetic Acid (Chemco PAA)	600 gallons	Tank is located in a bermed area, and the concrete is in good condition. No evidence of spills or releases were observed.

Table 9: Aboveground Chemical and Petroleum Storage Tanks and Bulk Containers

Location	# of tanks	Contents	Sizes	Observations
In Main Plant	1	Sodium Hypochlorite (Flo-Klor)	500 gallons	Tank is located in a bermed area, and the concrete is in good condition. No evidence of spills or releases were observed.
In Ammonia Room	1	Anhydrous Ammonia	2,400 gallons	Concrete beneath AST is in good condition and no evidence of spills or releases were observed.
In Receiving Bay	1	Potassium Hydroxide/Acrylic Acid Sodium Salt Polymer/Sodium Hypochlorite (Triumph NP)	1,000 gallons	Concrete beneath AST is in good condition and no evidence of spills or releases were observed.
In Main Plant	1	Sodium Hydroxide	1,100 gallons	Concrete beneath AST is in good condition and no evidence of spills or releases were observed.
In Main Plant	1	Sulfuric Acid	16,880 gallons	Concrete beneath AST is in good condition and no evidence of spills or releases were observed.
In Hazardous Waste and Chemical Storage area	1	Used oil	600 gallons	The tank is double-walled and is on top of secondary containment. No evidence or spills or releases were observed.
Cow Water Silos	7	Cow water (water removed from raw milk)	5,000-10,000 gallons	Concrete beneath ASTs is in good condition and no evidence of spills or releases were observed.
Around Silo Room	11	Raw milk	30,000-50,000 gallons	Concrete beneath ASTs is in good condition and no evidence of spills or releases were observed.
West of Silo Room	1	Wastewater	50,000 gallons	Concrete beneath ASTs is in good condition and no evidence of spills or releases were observed.

5.2.4 Pools of liquid, standing surface water or sumps

Multiple areas of shallow standing water were present within the silo room and bagging area. This water, which is present in a low-lying area within the pavement, was the result of either a precipitation event during the site visit or from historical equipment wash water. A visual evaluation of the water surface identified no oil sheen or loose debris.

5.2.5 Polychlorinated Biphenyls (PCBs)

Facility personnel knew of no on-site equipment that is known to contain polychlorinated biphenyls (PCBs). Four pad-mounted and four pole-mounted transformers are present on the site and are owned by Southern California Edison. The units are not labeled as to their PCB content. Because the installation dates of the units are unknown and may predate the 1979 federal ban on the manufacture of PCBs, it is possible that the transformer oils contain PCBs. However, manufacturing dates of two of the transformers located in the central portion of the site indicate a manufacturing date after 1979.

As noted above, one hydraulic elevator is located in the office area in the southwestern corner of the site. Given that the hydraulic oil for the elevator is expected to have been routinely replaced by the elevator service company, it is unlikely that the hydraulic oil contains PCBs. No evidence of staining or releases was observed near the hydraulic oil reservoirs. Facility personnel indicated that no spills or releases have occurred within the elevator room and the elevator is maintained by a third-party.

Because the buildings were constructed prior to the 1979 federal ban on the manufacture of PCBs, it is possible that hydraulic oils, or other types of electrical equipment, such as capacitors, contain PCBs. Ramboll observed no indication of leaks or releases from electrical equipment during the site visit.

5.2.6 Stains or Corrosion on Interior Floors, Walls or Ceilings

Ramboll observed evidence of minor pavement staining in the evaporator rooms, the hydraulic elevator room, the silo rooms, the maintenance shop, and the ammonia room. This staining appeared to be leaked milk products is likely not indicative of widespread releases or losses. Brick-paved and concrete floors in the vicinity of the observed staining appeared to be in good condition, with no visual evidence of cracking.

5.2.7 Asbestos-Containing Materials (ACMs)

Although an asbestos inspection and sampling of suspect building materials in conformance with established protocols (as outlined in 40 CFR §763), applicable state or local regulations, or industry standards, were beyond our scope of work, Ramboll made limited visual observations[2] of representative building materials in those areas accessed during the site tour to identify readily apparent PACM and suspect ACM. OSHA's definition of PACM is limited to thermal system insulation (TSI) and surfacing materials present in buildings constructed before 1981. Vinyl floor tiles are not considered PACM, but OSHA nonetheless requires that asphalt and vinyl floor tiles present in buildings constructed before 1981 be treated similarly to PACM. The term suspect ACM is not defined by OSHA but can include numerous building materials manufactured using asbestos currently or in the past (e.g., ceiling tiles, roofing materials, joint compound), as well as TSI, surfacing materials, and flooring materials installed after 1981. Facility personnel indicated a recent ACM survey was conducted at the site, however Ramboll was not provided with a copy of the report or the results of the survey.

Because the buildings at the site were constructed prior to 1981, TSI, surfacing materials and vinyl/asphalt flooring must be treated as PACM. During the site visit, PACM observed by Ramboll included vinyl floor tile in the office building and TSI associated with the piping. In addition, Ramboll observed other materials potentially considered suspect ACM (e.g., ceiling tile and building insulation). Also, based on the building age, the roofing materials may be considered suspect ACM. According to the EDR database, the site exported an unreported amount of asbestos containing waste in 1988.

[2] Ramboll did not observe all building materials or formally survey the facility to determine the presence and condition of PACM and suspect ACM.

There are no regulatory requirements to remove PACM, suspect ACM and known ACM or to confirm whether building materials contain asbestos, unless the materials are damaged and have the potential to release fibers or the materials have the potential to be disturbed during renovation or demolition activities. Ramboll observed certain building materials that were damaged or deteriorating, specifically including patches of deteriorating ceiling tile on the second story of the office building. OSHA requires building owners and employers to identify locations of PACM and confirmed ACM at the facility and comply with certain employee notification, training, labeling and recordkeeping requirements (29 CFR §1910.1001(j)) and housekeeping programs (1910.1001(k)).

5.2.8 Lead-Based Paint

Lead was a major ingredient in paint pigment prior to and through the 1940s. While other pigments were used in the 1950s, the use of lead in paint continued until the early 1970s. In 1978, the Consumer Products Safety Commission banned paint and other surfacing coating materials that are "lead-containing paint." Based on the construction date of on-site buildings dating back to approximately 1950, it is possible that lead-based paint was used historically on facility structures. Facility personnel knew of no lead-based paint on structures at the facility. Ramboll observed the paint to be in good condition. According to facility personnel, a LBP survey was conducted at the site, however Ramboll was not provided with a copy of the report to review.

5.2.9 Water Intrusion

Ramboll did not perform a mold survey at the site; however, facility personnel provided information regarding past water intrusion events. According to facility personnel, only minor roof leaks have occurred, and roof leaks were addressed by third-party contractors. Facility personnel also indicated that there have not been any problems with mold in the past.

5.2.10 Radon

Based on information included in the environmental database report, the site is located in an area categorized as Zone 2, which has average indoor radon levels between 2 and 4 picoCuries per liter (pCi/L). The United States Environmental Protection Agency's (USEPA's) continuous exposure limit, which is the limit at which further testing or remedial action is suggested, is 4.0 pCi/L. This USEPA continuous exposure limit applies to residential, not commercial, properties. According to the California Radon database, for 8 sites surveyed in the 90701 zip code, no sites had radon present at greater than 4.0 pCi/L. A USEPA survey conducted in the same zip code as the site found that the average radon level of a first-floor room at one site was 0.000 pCi/L.

6. PHASE II SUBSURFACE INVESTIGATION

Ramboll conducted a subsurface investigation at the site that included collection of soil and soil vapor samples. The scope for the subsurface investigation focused on areas of concern identified through the course of conducting the Phase I ESA, as described further below.

6.1 Pre-field Activities

Prior to commencement of sampling activities, Ramboll contacted Underground Service Alert (USA) to mark the locations of all major utilities near the site boundaries. In addition to the services provided by USA, Ramboll contracted with Ground Penetrating Radar Systems, LLC (GPRS) of Toledo, Ohio, a private utility locating company, to conduct a geophysical survey in the immediate vicinity of the boring locations to identify subsurface structures or underground obstructions.

Ramboll also prepared a site-specific Health and Safety Plan (HASP), designed to minimize exposure of Ramboll field personnel to potentially hazardous materials and coronavirus disease (COVID-19). Field personnel involved in the project were required to implement the procedures presented in the HASP while conducting the fieldwork. All drilling activities were conducted under the direct supervision of a California-registered Professional Geologist. Field activities and sampling results are described below.

6.2 Advancement of Soil Borings and Soil Sample Results

On November 2, 2021, Ramboll collected soil samples from three borings (B1 through B3) as depicted on Figure 3. Soil samples were collected at approximately 2, 4, and 6 feet bgs at each of the boring locations. Soil samples were screened using visual and olfactory methods, and by using a photoionization detector (PID). Soil sample containers were labeled, sealed in zip-closure bags, stored on ice in an insulated container, and delivered to Eurofins Calscience of Irvine California, under chain-of-custody documentation. Soil samples were analyzed for total petroleum hydrocarbons (TPH) and pH. It is Ramboll's understanding the proposed use for the site is a mixed-use residential and commercial setting. Accordingly, soil sampling results were compared to both residential and commercial screening levels as presented in Table 10 in Appendix D. Laboratory reports are included in Appendix D. In summary:

- TPH concentrations were reported above laboratory reporting limits in several samples but at low concentrations. No TPH were detected in soil above applicable DTSC/USEPA commercial or residential screening levels.
- pH in soil ranged from 7.7 to 8.9. Soil in California generally ranges in pH from 5 to 8.5, but most are higher than 7. Based on the sampling results, the pH in soil generally appears to be consistent with normal background soil conditions.

6.3 Soil Vapor Probe Installation and Sampling Results

On December 1, 2021, ABC Liovin, under the oversight of Ramboll, installed nine (9) soil vapor probes (RSV-1 through RSV-5, and RSV-7 through RSV-10) at the locations depicted on Figure 3. Various attempts were made to install RSV-6, however due to thick concrete and multiple concrete layers, a vapor probe was not installed at location RSV-6. Vapor probes were installed at a depth of approximately 5 feet bgs. Soil vapor probes were installed and sampled in accordance with the "Advisory – Active Soil Gas Investigations", jointly developed by the California EPA (CAL EPA), DTSC, and LARWQCB/SFRWQCB, dated July 2015. On December 3, 2021, the soil vapor samples were collected and analyzed by A&R Laboratories under the supervision of Ramboll. The soil vapor samples

were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260. The sampling results are summarized in Table 11 in Appendix D and depicted on Figure 4. Laboratory reports are included in Appendix D. Results were compared to the screening thresholds listed on Table 11. Ramboll compared the soil vapor sampling results to residential and commercial screening levels using the official attenuation factor (AF) of 0.001 and, for screening purposes, an attenuation factor of 0.03. Multiple VOCs were detected in soil vapor in samples RSV-3, RSV-5 and RSV-10 at low concentrations above their respective screening criteria (Figure 4). RSV-3 is located in the northwestern portion or the site, RSV-5 is located in the central portion of the site, and RSV-10 is located in the southern portion of the site. The sampling results are summarized below:

Commercial Scenario with Attenuation Factor 0.001

No VOCs in soil vapor were detected above applicable DTSC/USEPA commercial building screening levels using the official attenuation factor of 0.001.

Residential Scenario with Attenuation Factor 0.001

Chloroform was the only VOC detected in soil vapor above applicable DTSC/USEPA residential building screening levels using an attenuation factor of 0.001. Chloroform was detected in one soil vapor sample location (RSV-10) at a concentration of 0.27 micrograms per liter (µg/L), exceeding its residential screening threshold of 0.12 µg/L.

Commercial Scenario with Attenuation Factor 0.03

Benzene, PCE and chloroform were the only VOCs detected in soil vapor above applicable DTSC/USEPA commercial building screening levels using 0.03 as an attenuation factor for screening purposes. Benzene was detected in RSV-5 at a concentration of 0.030 µg/l, exceeding the screening level of 0.014 µg/l. PCE was detected in RSV-3 at a concentration of 0.13 µg/l, exceeding the screening level of 0.067 µg/l. Chloroform was detected in RSV-10 at a concentration of 0.27 µg/l, exceeding the screening level of 0.018 µg/l.

Residential Scenario with Attenuation Factor 0.03

Benzene, PCE, and chloroform were the only VOCs detected in soil vapor above applicable DTSC/USEPA residential building screening levels using an attenuation factor of 0.03. PCE was detected in two samples at concentrations of 0.13 µg/l in RSV-3 and 0.050 µg/l in RSV-5, exceeding the screening level of 0.015 µg/l. Benzene was detected in RSV-5 at a concentration of 0.030 µg/l, exceeding the screening level is 0.003 µg/l. Chloroform was detected in RSV-10 at a concentration of 0.27 µg/L, exceeding the screening level of 0.004 µg/L.

6.4 Lithology and Hydrogeology

The lithology encountered consisted of primarily sandy silt, silty sand and some gravel from the surface to 5 feet bgs. Groundwater was not encountered during this investigation. Boring logs are included in Appendix E.

6.5 Summary of Subsurface Investigation Findings

Based on the results of the limited soil and soil vapor sampling conducted as part of this subsurface investigation, Ramboll has made the following findings:

- TPH were not detected in soil above applicable screening criteria and the pH in soil generally appears to be consistent with normal background conditions. While the sampling results from this investigation did not identify chemicals in soil above applicable screening criteria, the soil should

be managed in accordance with applicable state and federal regulations during potential future soil disturbance activities.

- In soil vapor, benzene, PCE and chloroform were the only VOCs detected above applicable DTSC/USEPA residential and commercial screening levels using 0.03 as an AF. Chloroform was the only VOC detected above applicable DTSC/USEPA residential screening levels using 0.001 as an AF. No VOCs in soil vapor were detected above applicable DTSC/USEPA commercial screening levels using 0.001 as an attenuation factor. The presence of VOCs above screening levels indicate a potential vapor intrusion concern that should be further evaluated through the performance of a human health risk assessment.

7. FINDINGS, OPINION, AND CONCLUSIONS

Ramboll performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 and a Phase II subsurface investigation of the site located at 11709 Artesia Boulevard, 17208 and 17212 Alburtis Avenue in Artesia, California in December 2021. The objective of the ESA was to identify RECs, as defined in the ASTM Standard. A list of key definitions presented in the ASTM Standard is provided in Chapter 8 at the end of this report. Any exceptions to, or deletions from, this practice are described in Section 7.5.

7.1 Findings, Opinions, and Conclusions

7.1.1 Recognized Environmental Conditions

Ramboll has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the dairy product processing facility located 11709 Artesia Boulevard, 17208 and 17212 Alburtis Avenue in Artesia, Los Angeles County. Any exceptions to, or deletions from, this practice are described in Section 7.5 of this report. This assessment has revealed no RECs in connection with the site.

7.2 Other Findings

Although not considered to be a REC, Ramboll identified the following notable other finding. The term "other finding" is not defined by ASTM; rather, Ramboll uses the term to connote areas of contingent risk that are not clearly defined by the ASTM Standard.

- **Past Manufacturing Operations at the Site.** Since the early 1950s, the site has been used for milk manufacturing purposes. From the 1970s through at least the 1990s, a tanker truck fleet operated at (and was repaired at) the facility. Milk manufacturing activities may have included the use of petroleum products, acids, caustics, and other chemicals. Multiple subsurface investigations have been conducted at the site, including an August 2020 sampling event conducted by GHD Inc. The results of the GHD sampling indicated that limited concentrations of pesticides (e.g., 4,4'-Dichlorodiphenyldichloroethylene [DDE] at 12 micrograms per kilogram [µg/kg]) and volatile organic compounds (VOCs) are present in soil; however, none of the concentrations exceeded applicable San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) for the site (i.e., industrial/commercial land use). Metals detected in soil which exceeded the applicable ESLs included arsenic, lead, and vanadium (maximum levels 197 milligrams per kilogram [mg/kg], 57.8 mg/kg, and 47.7 mg/kg respectively). No VOCs were detected in groundwater; metals detected in groundwater which exceeded California Maximum Contaminant Levels (MCLs) were limited to mercury (3.31 micrograms per liter [µg/L]). Ammonia and nitrate (maximum concentrations of 648 µg/L and, 94,00 µg/L, respectively) were also detected in the groundwater, and in some locations, nitrate exceeded Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs).

  GHD indicated that lead in soils was likely associated with a former waste oil underground storage tank (UST) located in the same area. The mercury and pesticide detections were attributed to historical pesticide use in agricultural activities. Metal detections appeared to be insoluble forms and did not appear to present a risk. Ammonia appeared present at naturally occurring levels, however nitrate was observed at higher concentrations. GHD indicated that elevated nitrate levels were located in the northern portion of the site boundary and attributed the concentrations to an off-site source.

  Based on the results from the previous Phase II subsurface investigation, Ramboll conducted a subsequent subsurface investigation at the site that included collection of soil and soil vapor

samples throughout the site. Samples were collected in areas including former employee and truck parking areas, the former underground storage tank (UST) area, the former truck wash area, former chemical storage area, former main plant chemical storage area, former boiler area storage, and former sump pump area. Soil samples were analyzed for total petroleum hydrocarbons (TPH) and pH, while soil vapor was analyzed for VOCs by United States Environmental Protection Agency's (USEPA) Method 8260. Results from the subsurface investigation indicated that total petroleum hydrocarbons (TPH) were not detected in soil above applicable screening criteria and the pH in soil generally appears to be consistent with normal background conditions. While the sampling results from this investigation did not identify chemicals in soil at concentrations above applicable screening criteria, and the issues described above do not rise to the level of being a Recognized Environmental Condition under ASTM E1527-13, as a precautionary measure Ramboll recommends that the soil be managed in accordance with applicable state and federal regulations during potential future soil disturbance activities.

In soil vapor, benzene, tetrachloroethene (PCE) and chloroform were the only VOCs detected above applicable Department of Toxic Substances Control (DTSC)/USEPA residential and commercial screening levels using 0.03 as an attenuation factor (AF), which is used for screening purposes but which is neither an official nor controlling standard. Chloroform was the only VOC detected above applicable DTSC/USEPA residential screening levels using 0.001 as an AF (which is the official / adopted attenuation factor). No VOCs in soil vapor were detected above applicable DTSC/USEPA commercial screening levels using 0.001 as an attenuation factor.

- **Former Diesel Fuel and Gasoline USTs.** Two 10,000-diesel fuel, one 10,000-gallon gasoline, and one 500-gallon waste oil USTs were formerly located along the northern site boundary adjacent to the former truck wash area. According to the GeoTracker website, the site is listed on the Leaking Underground Storage Tank (LUST) database. A gasoline release was reported in August 1987 which impacted groundwater. The Los Angeles Regional Water Quality Control Board (RWQCB) closed the case in February 1997. No records were available regarding the cleanup and subsequent closure of the USTs. Site representatives reported that soil excavation activities were conducted, however, a copy of the report was not available for Ramboll's review. Records regarding the UST closure were requested from the Fire Department but have not yet been received. Therefore, Ramboll is unable to evaluate the adequacy of the UST closure. However, there is no apparent current regulatory requirement to evaluate the area, nor is there scrutiny of the site by regulatory officials. Furthermore, Ramboll's subsurface investigation did not indicate the presence of contamination in the vicinity of the UST – and, therefore, actual data shows the former USTs do not represent a Recognized Environmental Condition. Ramboll recommends no further investigation regarding this issue.

7.3 *De Minimis* Conditions

De minimis conditions are those that do not represent a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies. Ramboll identified no *de minimis* conditions related to the site.

7.4 Non-Scope Considerations

Ramboll identified the following findings that relate to non-scope considerations (as discussed in Section 2.2), as detailed below:

- **Asbestos-Containing Materials (ACMs).** Given the date of construction of the buildings at the site, it is possible that ACMs are present in building materials. A formal asbestos survey reportedly

has been conducted at the facility, however Ramboll was not provided with a copy of the report. Ramboll conducted visual observations of limited areas of the buildings at the site and noted PACMs (e.g., vinyl floor tile, pipe insulation) and other materials that may contain asbestos (e.g., ceiling tiles, roofing materials). The PACMs and suspect ACMs that were observed by Ramboll did not appear to be extensively damaged, broken, or deteriorated. Facility personnel indicated an ACM survey was recently conducted at the site, however Ramboll was not provided with a copy of the report.

- **Water Intrusion/Mold.** Ramboll did not perform a mold survey at the site; however, facility personnel provided information regarding past water intrusion events. According to facility personnel, only minor roof leaks have occurred, and roof leaks were addressed by third-party contractors. Facility personnel also indicated that there have not been any problems with mold in the past.
- **Lead-Based Paint.** Lead was a major ingredient in paint pigment prior to and through the 1940s. While other pigments were used in the 1950s, the use of lead in paint continued until the early 1970s. In 1978, the Consumer Products Safety Commission banned paint and other surfacing coating materials that are "lead-containing paint." Based on the construction date of on-site buildings dating back to approximately 1950, it is possible that lead-based paint was used historically on facility structures. Facility personnel knew of no lead-based paint on structures at the facility. Ramboll observed the paint to be in good condition. According to facility personnel, a LBP survey was conducted at the site (but no report was available at the time of this report).
- **Radon.** Based on information included in the environmental database report, the site is located in an area categorized as Zone 2, which has average indoor radon levels between 2 and 4 pCi/L. The USEPA's continuous exposure limit, which is the limit at which further testing or remedial action is suggested, is 4.0 pCi/L. This USEPA continuous exposure limit applies to residential, not commercial, properties. According to the California Radon database, for 8 sites surveyed in the 90701 zip code, no sites had radon present at greater than 4.0 pCi/L. A USEPA survey conducted in the same zip code as the site found that the average radon level of a first-floor room at one site was 0.000 pCi/L. Radon appears unlikely to represent an environmental concern to the site and Ramboll recommends no further investigation regarding this issue.

7.5 Analysis of Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps.

Limiting conditions and deviations to the ASTM Standard for the assessment are discussed below.

- Facility personnel did not have current contact information for representatives of former site owners/occupants. Thus, Ramboll was unable to interview former owners/occupants about historical operations and site conditions. However, Ramboll conducted interviews with representatives of California Dairies Inc. with tenure at the site dating back to 1980 and reviewed other historical sources regarding former uses of the site.
- During the site visit, Ramboll did not observe the roofs of the buildings due to access and safety constraints.

- As it is a user requirement, Ramboll did not conduct a review of records to identify whether any environmental liens or AULs have been imposed on the site.
- Between 1987 and 1997 four USTs were removed from the site. During the removal, a subsurface release of gasoline was reported which impacted groundwater. The site received closure in 1997, however copies of these records have not yet been received by Ramboll from the Fire Department.
- Ramboll has requested site-related information, but not yet received a response, from the City of Artesia Building and Safety Department or the County of Los Angeles Fire Department.

None of the exceptions, deletions, deviations, or site reconnaissance limitations noted above are considered to represent significant data gaps. The previous LUST site investigation reports that were not available for Ramboll's review would have represented a significant data gap – but for the Phase II subsurface investigation data generated by Ramboll and discussed herein (therefore, based on the Phase II subsurface investigation data, the lack of LUST-related reports does not represent a significant data gap).

8. ASTM DEFINITIONS

The following definitions are presented in the ASTM Standard:

REC - Recognized Environmental Condition:

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment.

CREC - Controlled Recognized Environmental Condition:

A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

HREC - Historical Recognized Environmental Condition:

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

***De minimis* Condition:**

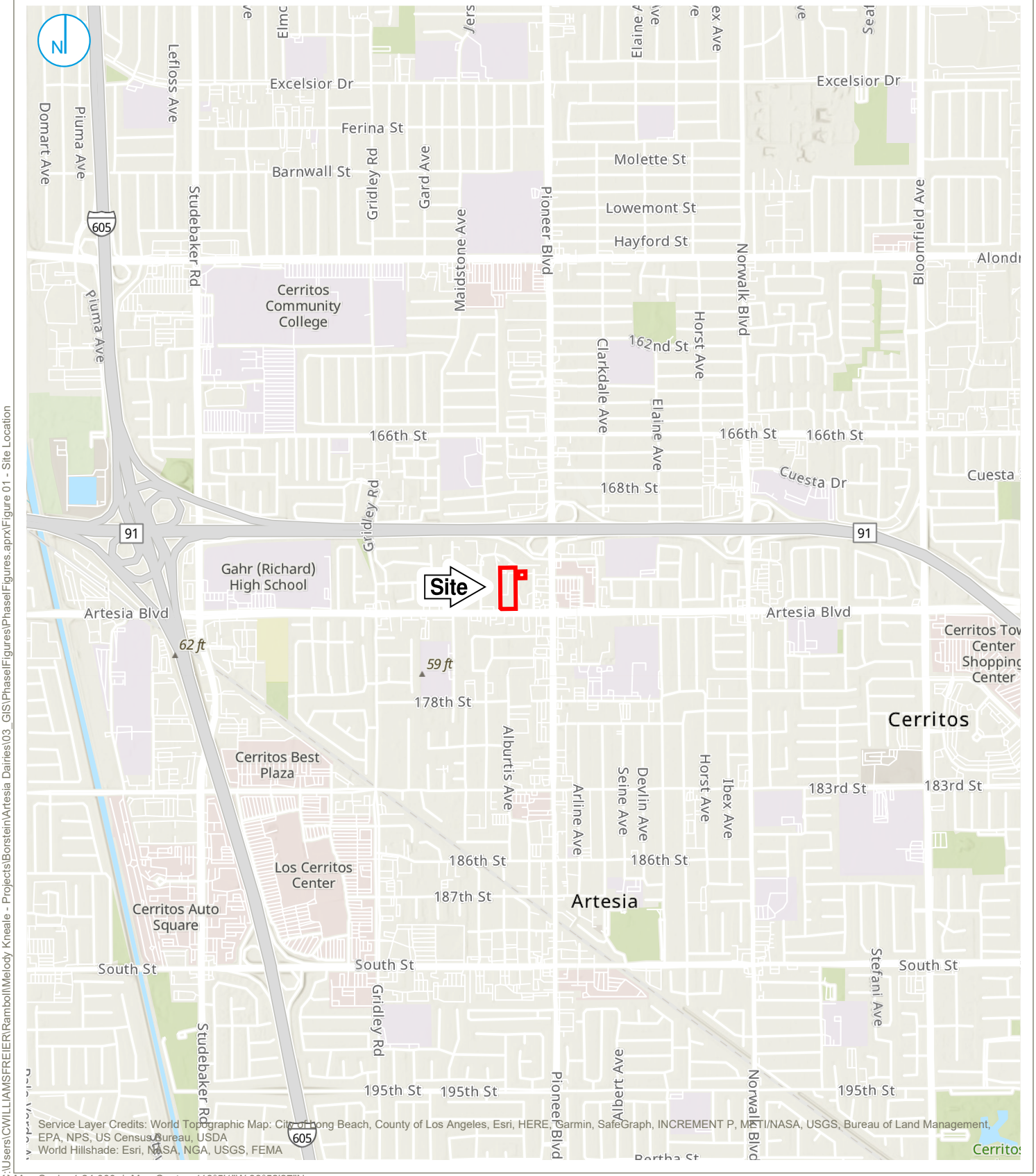
A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Data Gap / Significant Data Gap:

A lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information. A data gap is significant if other information and/or professional experience raises concerns involving the data gap.

Please note that the term "other finding" is not defined by ASTM; rather, Ramboll uses the term to connote areas of contingent risk that are not clearly defined by the ASTM Standard.

FIGURES



C:\Users\CWILLIAMSFREIER\Ramboll\Melody Kneale - Projects\Borstein\Artesia Dairies\03_GIS\PhaseIFigures\PhaseIFigures.aprx\Figure 01 - Site Location

Map Scale: 1:24,000 | Map Center: 118°5'1"W 33°52'27"N

KEY MAP (not to scale)

Property Boundary

0 1,000 2,000 Feet

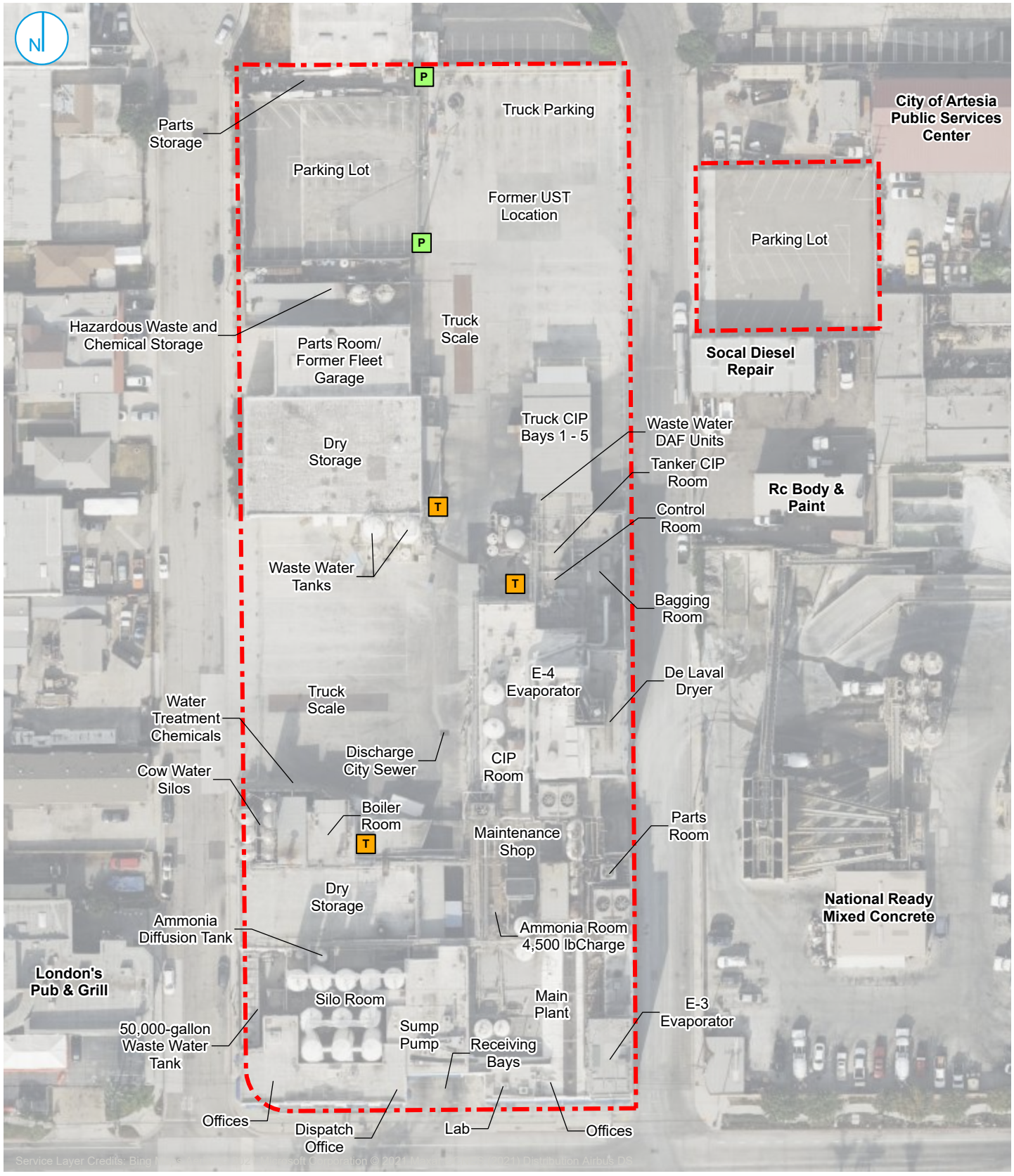
SITE LOCATION

Artesia Dairies
11709 East Artesia Boulevard
Artesia, California

FIGURE 01

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



C:\Users\CWILLIAMSFREIER\Ramboll\Melody Kneale - Projects\Borstein\Artesia Dairies\03_GIS\PhaseIFigures\PhaseIFigures.aprx\Figure 02 - Site Layout

Property Boundary
T Pad-Mounted Transformer
P Pole-Mounted Transformer

0 40 80 Feet

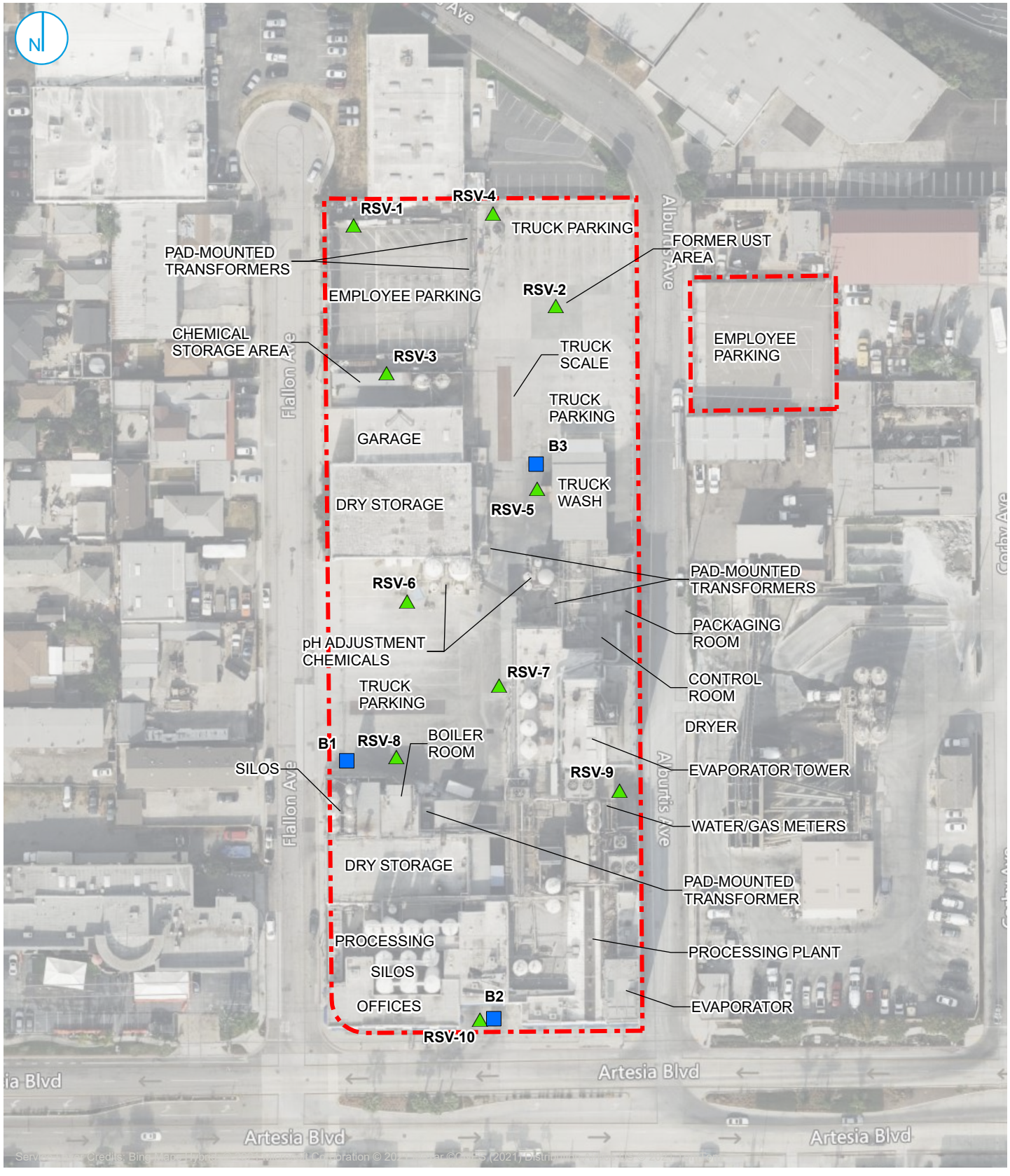
SITE LAYOUT

FIGURE 02

Artesia Dairies
11709 East Artesia Boulevard
Artesia, California

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



C:\Users\CWILLIAMSFREIER\Ramboll\Melody Kneale - Projects\BorsteinArtesia Dairies\03_GIS\20211102_Figures\20211102_FigureCreation.aprx\Figure 03 - Soil Vapor and Soil Sampling Locations

Property Boundary

Soil Vapor Probe Locations (Ramboll, December 2021)

Soil Sample Location (Ramboll, November 2021)

0 50 100 Feet

SOIL VAPOR AND SOIL SAMPLING LOCATIONS

Artesia Dairies
11709 East Artesia Boulevard
Artesia, California

FIGURE 03

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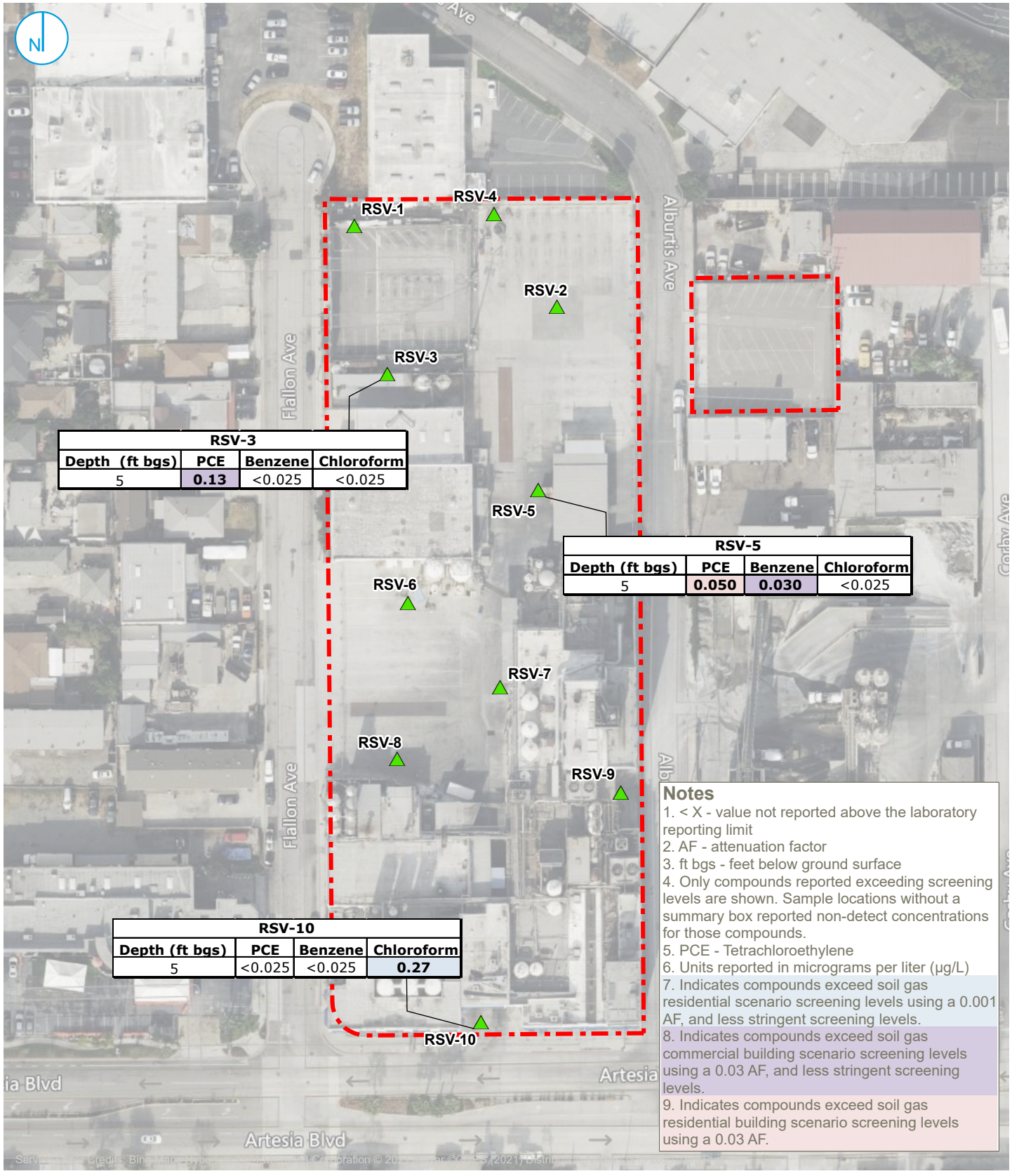

RSV-3			
Depth (ft bgs)	PCE	Benzene	Chloroform
5	**0.13**	<0.025	<0.025

RSV-5			
Depth (ft bgs)	PCE	Benzene	Chloroform
5	**0.050**	**0.030**	<0.025

RSV-10			
Depth (ft bgs)	PCE	Benzene	Chloroform
5	<0.025	<0.025	**0.27**

Notes

1. < X - value not reported above the laboratory reporting limit
2. AF - attenuation factor
3. ft bgs - feet below ground surface
4. Only compounds reported exceeding screening levels are shown. Sample locations without a summary box reported non-detect concentrations for those compounds.
5. PCE - Tetrachloroethylene
6. Units reported in micrograms per liter (µg/L)
7. Indicates compounds exceed soil gas residential scenario screening levels using a 0.001 AF, and less stringent screening levels.
8. Indicates compounds exceed soil gas commercial building scenario screening levels using a 0.03 AF, and less stringent screening levels.
9. Indicates compounds exceed soil gas residential building scenario screening levels using a 0.03 AF.

Property Boundary

Soil Vapor Probe Locations (Ramboll, December 2021)

0 50 100 Feet

SUMMARY OF VOC RESULTS IN SOIL VAPOR

Artesia Dairies
11709 East Artesia Boulevard
Artesia, California

FIGURE 04

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\CWILLIAMSFREIER\Ramboll\Melody Kneale - Projects\BorsteinArtesia Dairies\03_GIS\20211102_Figures\20211102_FigureCreation.aprx\Figure 04 - Summary of VOC Results in Soil Vapor

APPENDIX A
SITE PHOTOGRAPHS

Photo 1: View of 50,000-gallon waste water tank looking west.

Photo 2: View USDA Certified lab and product testing area.

Photo 3: View of a portion of the silo room area.

Photo 4: View of one of the sump pumps located in the main office area.

Photo 5: Typical example of caustic and acid chemical storage used to sanitize silos.

Photo 6: View of former hazardous chemical storage cabinet in the maintenance room.

Photo 7: View of the wastewater tanks, truck scale, and portions of the former glycol system looking north.

Photo 8: View of the former glycol storage area in the Ammonia Room.

Photo 9: View of AST former chemical storage area used to treat the wastewater pH.

Photo 10: Photo of the hydraulic oil elevator room with minor staining.

Photo 11: One of two on-site natural gas boilers located in the boiler area.

Photo 12: View of the former hazardous waste and chemical storage area and waste oil AST looking southwest.

Photo 13: View of the former hazardous waste and chemical storage area looking northwest.

Photo 14: View of the site including truck wash area, the De Laval Dryer, and truck parking looking southwest.

Photo 15: View of the parking lot across Alburtis Street looking southeast.

Photo 16: View of the main sewer drain connection, product silos, cooling towers and the eastern portion of the site looking east.

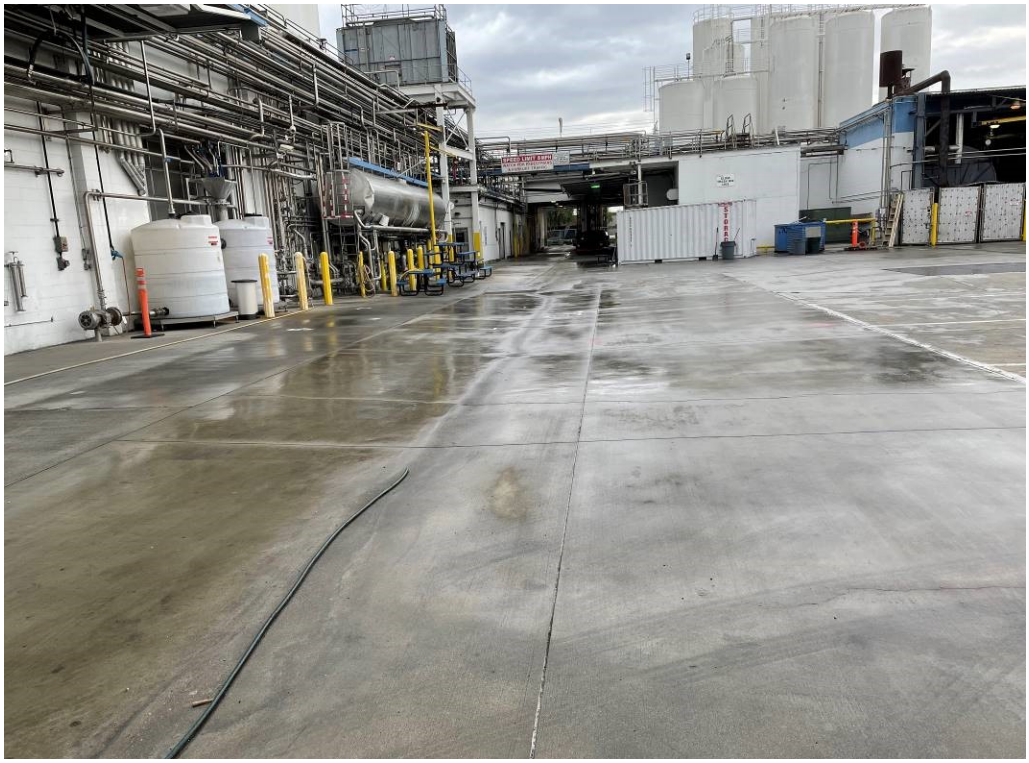

Photo 17: View of the center and southern portions of the site looking south including transformers, a portion of the boiler area, the raw-milk silos and the tanker truck exit.

Photo 18: View of empty water treatment chemicals formerly located in the boiler room.

APPENDIX B
ENVIRONMENTAL DATABASE REPORT

NOTES ON ENVIRONMENTAL DATABASE REPORT

EDR conducted its searches for the standard environmental record sources and the minimum search distances, as specified by the ASTM Standard. The ASTM Standard uses the terminology "approximate minimum search distance" to refer to the radii searched in the environmental database report.

EDR conducted the search of environmental databases in December 2021. Because the environmental databases themselves are sometimes not updated by the specific regulatory agencies for periods of up to one year or more (depending on the database and the state), the database search conducted herein will not necessarily list any facility or site for which an environmental investigation/listing has been initiated subsequent to the last update.

11709 Artesia Boulevard
11709 Artesia Boulevard
Artesia, CA 90701

Inquiry Number: 6777008.2s
December 06, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

COORDINATES

Latitude (North):	33.8740310 - 33ˆ 52' 26.51''
Longitude (West):	118.0844780 - 118ˆ 5' 4.12''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	399698.7
UTM Y (Meters):	3748524.0
Elevation:	64 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	11997954 LOS ALAMITOS, CA
Version Date:	2018
North Map:	11997982 WHITTIER, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CALIFORNIA MILK PROD	11709 ARTESIA BLVD E	RGA LUST		TP
A2	CALIFORNIA MILK PROD	11709 ARTESIA BLVD E	RGA LUST		TP
A3	CALIFORNIA MILK PROD	11709 ARTESIA BLVD E	FINDS		TP
A4	CALIF MILK PRODUCERS	11709 ARTESIA BLVD	UST		TP
A5	1X CALIFORNIA MILK P	11709 E ARTESIA BLVD	HAZNET, HWTS		TP
A6	1X CALIFORNIA MILK P	11709 EAST ARTESIA B	HAZNET, HWTS		TP
A7	CALIFORNIA DAIRIES I	11709 E ARTESIA BLVD	HAZNET, HWTS		TP
A8	CALIFORNIA DAIRIES,	11709 ARTESIA BOULEV	TRIS, FINDS, ECHO		TP
A9	CALIF MILK PRODUCERS	11709 ARTESIA BLVD	LOS ANGELES CO. HMS		TP
A10	CALIFORNIA MILK PROD	11709 ARTESIA BLVD E	LUST, SWEEPS UST, HIST UST, CA FID UST, Cortese,...		TP
A11	CALIFORNIA MILK PROD	11709 ARTESIA BLVD E	RGA LUST		TP
A12	CALIFORNIA DAIRIES I	11709 E ARTESIA BLVD	RCRA NonGen / NLR		TP
A13	CALIFORNIA DAIRIES,	11709 EAST ARTESIA B	ICIS		TP
A14	1X CALIFORNIA MILK P	11709 E ARTESIA BLVD	HAZNET, HWTS		TP
A15	CALIFORNIA DAIRIES I	PO BOX 6210 11709 AR	CIWQS		TP
A16	CALIFORNIA DAIRIES I	PO BOX 6210	NPDES, CERS	Higher	1 ft.
A17	O'BRIEN CAL COGEN LT	17306 FLALLON AVE	UST, SWEEPS UST	Lower	7, 0.001, SW
B18	PRO TECH KNIVES LLC	17115 ALBURTIS AVE	RCRA NonGen / NLR	Lower	51, 0.010, North
A19	SOCAL DIESEL REPAIR	17224 ALBURTIS AVE	RCRA NonGen / NLR	Higher	82, 0.016, ENE
A20	JMC TRUCK REPAIR	17224 ALBURTIS ST	CERS HAZ WASTE, EMI, CERS	Higher	82, 0.016, ENE
B21	CITY OF ARTESIA PUBL	17202 ALBURTIS AVE	RCRA NonGen / NLR	Higher	87, 0.016, NE
B22	GULF STATES INC	17160 ALBURTIS AVE	EDR Hist Auto	Lower	89, 0.017, NNE
B23	ENVIRONMENTAL RENTAL	17160 ALBURTIS	RCRA NonGen / NLR	Lower	89, 0.017, NNE
B24	ENVIRONMENTAL RENTAL	17160 ALBURTIS AVE	RCRA NonGen / NLR	Lower	89, 0.017, NNE
B25	ENVIRONMENTAL RENTAL	17160 ALBURTIS AVE	RCRA NonGen / NLR	Lower	89, 0.017, NNE
B26	STRONGBOX INDUSTRIES	17203 FLALLON AVE	LUST, SWEEPS UST, Cortese, HIST CORTESE	Higher	89, 0.017, NW
A27	NATIONAL READY MIXED	11725 ARTESIA BLVD	CERS HAZ WASTE, CERS TANKS, LOS ANGELES CO. HMS,..	Lower	95, 0.018, SE
A28	NATIONAL READY MIXED	11725 ARTESIA BLVD	SWEEPS UST, CA FID UST, WDS	Lower	95, 0.018, SE
A29	NATIONAL READY MIXED	11725 E ARTESIA BLVD	RCRA NonGen / NLR	Lower	95, 0.018, SE
A30	NATIONAL READY MIXED	11725 ARTESIA BLVD	UST	Lower	95, 0.018, SE
A31	NATIONAL READY MIXED	11725 ARTESIA BLVD.	LUST, HIST UST, Cortese, LOS ANGELES CO. HMS,...	Lower	95, 0.018, SE
A32	UNITED READY MIXED C	11725 ARTESIA BLVD	UST	Lower	95, 0.018, SE
C33	JOHN WYNEGA	11645 ARTESIA BLVD	SWEEPS UST	Lower	148, 0.028, SW
D34	CAL PLATE	17110 JERSEY AVE	RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO, HAZNET, LOS	Lower	198, 0.038, NW
35	PACIFIC COAST LINES	17203 CORBY ST	RCRA-SQG, FINDS, ECHO	Higher	202, 0.038, NE
E36	GEORGE VEROEVEN FEED	11735 E ARTESIA BLVD	SWEEPS UST, HIST UST, CA FID UST, LOS ANGELES CO....	Lower	212, 0.040, SE
E37	GEORGE VERHOEVEN FEE	11735 ARTESIA BLVD E	LUST, Cortese, ENF, HIST CORTESE, CERS	Lower	212, 0.040, SE
E38	GEORGE VERHOEVEN FEE	11735 ARTESIA BLVD	HIST UST	Lower	212, 0.040, SE
F39	ELROY PAINTING CONTR	17220 JERSEY	CPS-SLIC, CERS	Higher	215, 0.041, WNW

MAPPED SITES SUMMARY

Target Property Address:
11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
C40	MS CLAUDIA COVERT	11655 ARTESIA BLVD	SWEEPS UST	Lower	230, 0.044, SW
C41	JASPERS AUTO SERVICE	11648 ARTESIA BLVD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Lower	255, 0.048, SW
C42	JASPER'S AUTO SERVIC	11648 ARTESIA BLVD	RCRA-SQG, FINDS	Lower	255, 0.048, SW
C43	JASPER'S AUTO SERVIC	11648 ARTESIA BOULEV	RCRA NonGen / NLR	Lower	255, 0.048, SW
G44	CERRITOS AUTO BODY	11656 E ARTESIA BLVD	CERS HAZ WASTE, CERS	Lower	277, 0.052, SSW
G45	CERRITOS AUTO BODY I	11656 ARTESIA BLVD	RCRA NonGen / NLR	Lower	277, 0.052, SSW
G46	CERRITOS AUTO COLLIS	11656 ARTESIA	RCRA-SQG, FINDS, ECHO, EMI, HAZNET, LOS ANGELES...	Lower	277, 0.052, SSW
D47	INSIGHT SHOOTING RAN	17020 ALBURTIS AVE	RCRA NonGen / NLR	Lower	285, 0.054, NNW
D48	INSIGHT SHOOTING RAN	17020 ALBURTIS AVE	CERS HAZ WASTE, HAZNET, HWTS	Lower	285, 0.054, NNW
E49	MIKE'S SHELL SERVICE	11754 ARTESIA BLVD	EDR Hist Auto	Lower	335, 0.063, SE
E50	KOEUN PRINTING	11754 ARTESIA BLVD #	CERS HAZ WASTE, LOS ANGELES CO. HMS	Lower	335, 0.063, SE
F51	ELITE CONSTRUCTION E	17223 JERSEY AVE	RCRA NonGen / NLR	Higher	348, 0.066, West
F52	ELITE CONSTRUCTION E	17223 JERSEY AVE	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	348, 0.066, West
D53	MANFIELD PARTNERSHIP	17004 ALBURTIS AVENU	RCRA-LQG	Lower	364, 0.069, NNW
D54	PRL GLASS SYSTEMS	17004 ALBURTIS AVE	CPS-SLIC, LOS ANGELES CO. HMS, CERS	Lower	364, 0.069, NNW
E55	SHELL SERVICE STATIO	17325 PIONEER BLVD	RCRA NonGen / NLR, FINDS, HAZNET, HWTS	Lower	455, 0.086, ESE
E56	SHELL SERVICE STATIO	17325 PIONEER UNIT C	LUST, RCRA NonGen / NLR, Cortese	Lower	455, 0.086, ESE
E57	SHELL NICK SERVICE	17325 PIONEER BLVD	EDR Hist Auto	Lower	455, 0.086, ESE
E58	SHELL #204-0348-0500	17325 PIONEER BLVD	LUST, Cortese, CERS	Lower	455, 0.086, ESE
E59	SHELL #135062 (NICK'	17325 PIONEER BLVD	UST	Lower	455, 0.086, ESE
E60	CAL CRYSTAL INC DBA	17325 PIONEER BLVD	LUST, CERS HAZ WASTE, CERS TANKS, HAZNET, HIST...	Lower	455, 0.086, ESE
E61	NICK'S SHELL SERVICE	17325 PIONEER BLVD	UST	Lower	455, 0.086, ESE
E62	NICKS SHELL SERVICE	17325 PIONEER BLVD	SWEEPS UST, LOS ANGELES CO. HMS	Lower	455, 0.086, ESE
H63	L&K AUTO SERVICE	11618 ARTESIA BLVD	CERS HAZ WASTE, HAZNET, LOS ANGELES CO. HMS, CERS	Lower	499, 0.095, SW
H64	L & K AUTO SERVICE	11618 ARTESIA BLVD S	RCRA NonGen / NLR	Lower	499, 0.095, SW
I65	ROBINSON LEROY	17235 PIONEER BLVD	EDR Hist Auto	Lower	501, 0.095, East
J66	VANDENBERG MFG CO IN	17306 ROSETON AVE	HIST UST, NPDES	Higher	609, 0.115, West
J67	VANDENBERG MFG CO. I	17306 ROSETON AVE	RCRA NonGen / NLR	Higher	609, 0.115, West
J68	VANDENBERG MFG CO	17306 ROSETON AVE	SWEEPS UST, CA FID UST	Higher	609, 0.115, West
K69	FORMER MOBIL #18-GP9	17122 PIONEER BLVD S	LUST, Cortese, CERS	Lower	630, 0.119, ENE
K70	NADER W OIL LLC	17122 PIONEER BLVD	CERS HAZ WASTE, CERS TANKS, HAZNET, LOS ANGELES...	Lower	630, 0.119, ENE
K71	NADER W OIL LLC	17122 PIONEER BLVD	RCRA NonGen / NLR	Lower	630, 0.119, ENE
K72	MOBIL OIL CORP S/S #	17122 PIONEER BLVD	UST	Lower	630, 0.119, ENE
K73	FORMER MOBIL #18-GP9	17122 SOUTH PIONEER	UST	Lower	630, 0.119, ENE
K74	MOBIL #18-GP9 (FORME	17122 PIONEER	ENF, HIST CORTESE, LOS ANGELES CO. HMS	Lower	630, 0.119, ENE
K75	NADER WAREH	17122 PIONEER BLVD	HIST UST, CHMIRS	Lower	630, 0.119, ENE
K76	NADER W OIL LLC	17122 PIONEER BLVD	UST	Lower	630, 0.119, ENE
K77	CIRCLE K STORES INC.	17122 PIONEER BLVD	RCRA-SQG, FINDS	Lower	630, 0.119, ENE
K78	EXXONMOBIL OIL CORP	17122 PIONEER BLVD	RCRA-SQG	Lower	630, 0.119, ENE

MAPPED SITES SUMMARY

Target Property Address:
11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K79	MOBIL OIL CORP	17122 PIONEER BLVD	SWEEPS UST, LOS ANGELES CO. HMS	Lower	630, 0.119, ENE
K80	NADERS MOBILE STATIO	17122 PIONEER BLVD	EDR Hist Auto	Lower	630, 0.119, ENE
I81	MARTIN WAYNE	17326 PIONEER	EDR Hist Auto	Lower	631, 0.120, ESE
L82	SUNSTON EQUIPMENT IN	17128 ROSETON AVE	RCRA-SQG, FINDS, ECHO	Lower	650, 0.123, WNW
M83	BIG PENNY CAR WASH	17509 PIONEER BLVD	CA FID UST, CERS	Lower	677, 0.128, SE
M84	BIG PENNY CAR WASH	17509 PIONEER BLVD	LUST, UST, SWEEPS UST, HIST UST, ENF, HIST...	Lower	677, 0.128, SE
M85	BIG PENNY CAR-WASH #	17509 PIONEER BLVD	EDR Hist Auto	Lower	677, 0.128, SE
M86	BIG PENNY CAR WASH	17509 PIONEER BOULEV	UST	Lower	677, 0.128, SE
M87	BIG PENNY CAR WASH	17509 POINEER BL	HIST UST	Lower	677, 0.128, SE
M88	BIG PENNY CAR WASH	17509 PIONEER BLVD	Cortese, HAZNET, HWTS	Lower	677, 0.128, SE
L89	TRUK PROS INC	17106 ROSETON AVE	RCRA NonGen / NLR	Lower	697, 0.132, NW
L90	A.N.J. RV-TRAILER SE	17106 ROSETON AV	CERS HAZ WASTE, EMI, CERS	Lower	697, 0.132, NW
L91	C3 TRUCK COLLISION C	17106 ROSETON AVE	RCRA-SQG	Lower	697, 0.132, NW
N92	WALGREENS #5773	11800 ARTESIA BLVD	RCRA-LQG, RCRA-SQG	Lower	727, 0.138, SE
N93	EVERGREEN PIONEER IN	11800 ARTESIA BLVD	UST	Lower	727, 0.138, SE
N94	WALGREENS #5773	11800 ARTESIA BLVD	CERS HAZ WASTE, HAZNET, HWTS	Lower	727, 0.138, SE
N95	MONTGOMERY & CLARK	11800 E ARTESIA	EDR Hist Auto	Lower	727, 0.138, SE
N96	IDEAL FLORIST (FORME	11800 E ARTESIA BLVD	LUST, Cortese, LOS ANGELES CO. HMS, CERS	Lower	727, 0.138, SE
N97	IDEAL FLORIST	11800 ARTESIA	HIST CORTESE	Lower	727, 0.138, SE
N98	IDEAL FLORIST (FORME	11800 ARTESIA BLVD	LUST	Lower	727, 0.138, SE
O99	GOLDEN STATE WATER C	17456 ROSETON AVE.	RCRA NonGen / NLR	Lower	767, 0.145, SW
O100	GOLDEN STATE WATER C	17456 ROSETON AVE	RCRA NonGen / NLR	Lower	767, 0.145, SW
J101	MCDONALD MFG INC	17311 ROSETON	RCRA NonGen / NLR	Higher	775, 0.147, West
L102	MID CITYS ELECTRIC I	17117 ROSETON AVE	RCRA NonGen / NLR	Lower	790, 0.150, WNW
L103	J & N ELECTRIC	17107 ROSETON AVE	LUST, SWEEPS UST, HIST UST, Cortese, HIST CORTESE,...	Lower	820, 0.155, WNW
104	M G WATANBE INC DBA	17031 ROSETON AVE	RCRA NonGen / NLR	Lower	847, 0.160, NW
P105	BOULEVARD CLEANERS	11831 ARTESIA BLVD	RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO,...	Lower	882, 0.167, ESE
P106	BOULEVARD CLEANERS	11831 ARTESIA BLVD	EDR Hist Cleaner	Lower	882, 0.167, ESE
P107	ARTESIA CENTER CLEAN	11831 ARTESIA BLVD	DRYCLEANERS	Lower	882, 0.167, ESE
P108	ARTESIA CENTER CLEAN	11831 ARTESIA BLVD	RCRA NonGen / NLR	Lower	882, 0.167, ESE
P109	AJAY CLEANERS, JAYES	11831 ARTESIA BLVD	DRYCLEANERS	Lower	882, 0.167, ESE
P110	DOLLAR TREE #04575	11837 ARTESIA BLVD	RCRA NonGen / NLR	Lower	906, 0.172, ESE
P111	DOLLAR TREE #04575	11837 ARTESIA BLVD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Lower	906, 0.172, ESE
Q112	SHIL PARK PAINT INC	11521 ARTESIA BLVD	RCRA NonGen / NLR	Lower	948, 0.180, WSW
Q113	SHIL PARK PAINT	11521 ARTESIA BLVD	CERS HAZ WASTE, CERS	Lower	948, 0.180, WSW
P114	CVS PHARMACY NO 9488	11851 ARTESIA BLVD	RCRA-LQG, FINDS, ECHO	Lower	961, 0.182, ESE
P115	CVS PHARMACY # 9488	11851 ARTESIA BLVD	CERS HAZ WASTE, HAZNET, HWTS	Lower	961, 0.182, ESE
116	ANNA BELLE A CUYONG	17510 PIONEER BLVD S	RCRA NonGen / NLR	Lower	962, 0.182, SE
R117	ALBERTSONS #0651	11815 ARTESIA BLVD	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS	Lower	1012, 0.192, East

MAPPED SITES SUMMARY

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11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R118	STATER BROS MARKETS	11815 ARTESIA BLVD	RCRA NonGen / NLR	Lower	1012, 0.192, East
S119	TALLY HO APARTMENTS	17701 PIONEER BLVD	RCRA NonGen / NLR	Lower	1052, 0.199, SSE
T120	ARTESIA ICE SERVICE	17119 CLARKDALE AVE	HIST UST, LOS ANGELES CO. HMS	Lower	1059, 0.201, ENE
T121	ARTESIA ICE	11846 FRAMPTON CT	RCRA NonGen / NLR	Lower	1059, 0.201, ENE
T122	ARTESIA ICE SERVICE	11846 FRAMPTON CT	UST, LOS ANGELES CO. HMS	Lower	1059, 0.201, ENE
S123	99 RANCH MARKET #17	17713 PIONEER BLVD	CERS HAZ WASTE, HAZNET, LOS ANGELES CO. HMS, CERS	Lower	1059, 0.201, SSE
S124	99 RANCH MARKET #17	17713 PIONEER BLVD	RCRA NonGen / NLR	Lower	1059, 0.201, SSE
125	BOER BACKHOE INC	11836 ARTESIA BLVD	RCRA NonGen / NLR	Lower	1075, 0.204, ESE
U126	CHIP LAO	17213 GARD AVENUE	RCRA NonGen / NLR	Higher	1084, 0.205, West
U127	CHIP LAO	17213 GARD AVENUE	RCRA NonGen / NLR	Higher	1084, 0.205, West
T128	LINOTYPE CO	17100 PIONEER BLVD	RCRA NonGen / NLR, FINDS, ECHO	Lower	1091, 0.207, ENE
V129	MARYANNE POPPE	17117 GARD AVE	RCRA NonGen / NLR	Lower	1147, 0.217, WNW
V130	MARYANNE POPPE	17117 GARD AVE	RCRA NonGen / NLR	Lower	1147, 0.217, WNW
W131	JOHAL OIL CORPORATIO	16809 S PIONEER BLVD	RCRA NonGen / NLR	Lower	1150, 0.218, NNE
W132	JOHAL OIL CORPORATIO	16809 S PIONEER BLVD	CERS HAZ WASTE, SWEEPS UST, CERS TANKS, LOS...	Lower	1150, 0.218, NNE
W133	EXXON #7-3314 (FORME	16809 PIONEER BLVD S	LUST, Cortese, CERS	Lower	1150, 0.218, NNE
W134	YARALIANS SERVICES	16809 PIONEER BLVD	EDR Hist Auto	Lower	1150, 0.218, NNE
W135	YARALIAN TEXACO	16809 PIONEER BLVD	LUST, HIST CORTESE	Lower	1150, 0.218, NNE
W136	EXXON SERVICE STATIO	16809 PIONEER	HIST UST	Lower	1150, 0.218, NNE
W137	YARALIAN TEXACO	16809 PIONEER BLVD	LUST, UST, Cortese	Lower	1150, 0.218, NNE
W138	JOHAL OIL CORPORATIO	16809 S PIONEER BLVD	UST	Lower	1150, 0.218, NNE
W139	OSBORNS EXXON SERVIC	16809 PIONEER BLVD	RCRA-SQG, FINDS, ECHO	Lower	1150, 0.218, NNE
140	CERVANTES, LAWRENCE	11663 E. 168TH STREE	RCRA NonGen / NLR	Lower	1186, 0.225, North
V141	JORDAN, LEROY	17105 GARD AVENUE	RCRA NonGen / NLR	Lower	1192, 0.226, WNW
X142	BRIAN CURTISS	11550 168TH STREET	RCRA NonGen / NLR	Lower	1223, 0.232, NNW
X143	THOMAS HEATH	11603 168TH ST	RCRA NonGen / NLR	Lower	1225, 0.232, NNW
W144	PIONEER CHEVRON	16725 PIONEER BLVD	UST	Lower	1312, 0.248, NNE
W145	95619	16725 PIONEER BLVD	HIST UST	Lower	1312, 0.248, NNE
W146	CHEVRON STATION NO 9	16725 PIONEER BLVD	RCRA NonGen / NLR, FINDS, ECHO	Lower	1312, 0.248, NNE
W147	BOB'S CHEVRON STATIO	16725 S PIONEER BLVD	EDR Hist Auto	Lower	1312, 0.248, NNE
W148	CHEVRON #9-5619	16725 PIONEER BLVD S	LUST, Cortese, CERS	Lower	1312, 0.248, NNE
W149	PIONEER CHEVRON	16725 PIONEER BLVD	CERS HAZ WASTE, SWEEPS UST, CERS TANKS, LOS...	Lower	1312, 0.248, NNE
W150	CHEVRON USA SS 09561	16725 PIONEER BLVD	UST	Lower	1312, 0.248, NNE
W151	CHEVRON #9-5619	16725 PIONEER	HIST CORTESE	Lower	1312, 0.248, NNE
Y152	PIONEER HOSPITAL	17831 PIONEER BLVD	LUST, UST, Cortese, CERS	Lower	1702, 0.322, SSE
Y153	SEE 002056-002133	17831 PIONEER BLVD	LUST, SWEEPS UST, EMI, HIST CORTESE, LOS ANGELES...	Lower	1702, 0.322, SSE
Z154	VALUE CLEANERS	11414 ARTESIA BLVD	CPS-SLIC, DRYCLEANERS, CERS	Lower	1757, 0.333, WSW
155	ABC UNIFIED SCHOOL D	11865 178TH ST E	LUST, Cortese, HIST CORTESE, CERS	Lower	1765, 0.334, SE
AA156	ARTESIA BUILDING MAT	16632 PIONEER BLVD S	LUST, Cortese, LOS ANGELES CO. HMS, CERS	Higher	1805, 0.342, NNE

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ARTESIA, CA 90701

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Z157	VALUE CLEANERS	11402 ARTESIA	CPS-SLIC	Lower	1846, 0.350, WSW
158	UNOCAL #5659	11355 ARTESIA BLVD	LUST, Cortese, HIST CORTESE, CERS	Higher	1971, 0.373, West
AA159	DIAMOND TIRE CENTER	16604 PIONEER	LUST, ENF, HIST CORTESE	Higher	1978, 0.375, NNE
AA160	DIAMOND TIRE CENTER	16604 PIONEER BLVD	SWEEPS UST, Cortese, LOS ANGELES CO. HMS, CERS	Higher	1978, 0.375, NNE
AA161	DIAMOND TIRE CENTER	16604 PIONEER BLVD	LUST, UST, HWTS	Higher	1978, 0.375, NNE
AB162	UNITED OIL # 46	16516 PIONEER BLVD,	LUST, Cortese, CERS	Higher	2258, 0.428, NNE
AB163	TEXACO (FORMER)	16516 PIONEER	LUST, HIST CORTESE	Higher	2258, 0.428, NNE
AB164	TEXACO (FORMER)	16516 PIONEER BLVD	LUST, Cortese, CERS	Higher	2258, 0.428, NNE
165	DEL TACO	15911 PIONEER BLVD.	Notify 65	Higher	4534, 0.859, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CALIFORNIA MILK PROD 11709 ARTESIA BLVD E ARTESIA, CA	RGA LUST	N/A
CALIFORNIA MILK PROD 11709 ARTESIA BLVD E ARTESIA, CA	RGA LUST	N/A
CALIFORNIA MILK PROD 11709 ARTESIA BLVD E ARTESIA, CA 90701	FINDS Registry ID:: 110066167276	N/A
CALIF MILK PRODUCERS 11709 ARTESIA BLVD ARTESIA, CA 90701	UST Database: UST, Date of Government Version: 09/07/2021 Facility Id: 1249	N/A
1X CALIFORNIA MILK P 11709 E ARTESIA BLVD ARTESIA, CA 90701	HAZNET GEPAID: CAC000072629 HWTS	N/A
1X CALIFORNIA MILK P 11709 EAST ARTESIA B ARTESIA, CA 90701	HAZNET GEPAID: CAC000857104 HWTS	N/A
CALIFORNIA DAIRIES I 11709 E ARTESIA BLVD ARTESIA, CA 90701	HAZNET GEPAID: CAL000008617 HWTS	N/A
CALIFORNIA DAIRIES, 11709 ARTESIA BOULEV ARTESIA, CA 90701	TRIS TRIS ID: 90701CLFRN11709 FINDS Registry ID:: 110002424902 ECHO Registry ID: 110002424902	90701CLFRN11709
CALIF MILK PRODUCERS 11709 ARTESIA BLVD ARTESIA, CA 90701	LOS ANGELES CO. HMS	N/A

EXECUTIVE SUMMARY

Facility ID: 001190-001249

CALIFORNIA MILK PROD
11709 ARTESIA BLVD E
ARTESIA, CA 90701

LUST N/A
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603702769
Global ID: T0603702769
Status: Completed - Case Closed
Facility Id: I-01249
Status: Case Closed

SWEEPS UST
Status: A
Tank Status: A
Comp Number: 1249

HIST UST
Facility Id: 00000005415

CA FID UST
Facility Id: 19001558
Status: A

Cortese
Cleanup Status: COMPLETED - CASE CLOSED

EMI
Facility Id: 22607

ENF
Status: Withdrawn
Status: Historical
Status: Historical
Facility Id: 216600

HIST CORTESE
Reg Id: I-01249

LOS ANGELES CO. HMS
Facility ID: 001190-I01249
Facility ID: 001190-047286

WDS
Facility Status: A
Facility Id: 4B192454001

CIWQS
CERS

CALIFORNIA MILK PROD
11709 ARTESIA BLVD E
ARTESIA, CA

RGA LUST N/A

CALIFORNIA DAIRIES I
11709 E ARTESIA BLVD
ARTESIA, CA 90701

RCRA NonGen / NLR CAL000008617
EPA ID:: CAL000008617

CALIFORNIA DAIRIES,
11709 EAST ARTESIA B
ARTESIA, CA 90701

ICIS N/A

EXECUTIVE SUMMARY

FRS ID:: 110002424902

1X CALIFORNIA MILK P 11709 E ARTESIA BLVD ARTESIA, CA 90701	HAZNET GEPAID: CAC000015909 HWTS	N/A
CALIFORNIA DAIRIES I PO BOX 6210 11709 AR ARTESIA, CA 90702	CIWQS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---- National Priority List
Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing
SEMS ---- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---- State Response Sites

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR ---- EnviroStor Database

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Properties
INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands

ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ---- Key Areas of Concerns in Los Angeles County
US HIST CDL ---- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing
PFAS ---- PFAS Contamination Site Location Listing

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees

INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US AIRS - Aerometric Information Retrieval System Facility Subsystem
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CUPA Listings - CUPA Resources List
Financial Assurance - Financial Assurance Information Listing
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
LA Co. Site Mitigation - Site Mitigation List
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
LOS ANGELES CO LF METHANE - Methane Producing Landfills
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MANFIELD PARTNERSHIP EPA ID:: CAR000284182	17004 ALBURTIS AVENU	NNW 0 - 1/8 (0.069 mi.)	D53	367
WALGREENS #5773 EPA ID:: CAL000322884	***11800 ARTESIA BLVD***	***SE 1/8 - 1/4 (0.138 mi.)***	***N92***	***521***
CVS PHARMACY NO 9488 EPA ID:: CAR000235754	***11851 ARTESIA BLVD***	***ESE 1/8 - 1/4 (0.182 mi.)***	***P114***	***666***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 11 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC COAST LINES EPA ID:: CAD981442049	***17203 CORBY ST***	***NE 0 - 1/8 (0.038 mi.)***	***35***	***279***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAL PLATE EPA ID:: CAD983636242	***17110 JERSEY AVE***	***NW 0 - 1/8 (0.038 mi.)***	***D34***	***191***
JASPER'S AUTO SERVIC	***11648 ARTESIA BLVD***	***SW 0 - 1/8 (0.048 mi.)***	***C42***	***296***

EPA ID:: CAD981446289				
CERRITOS AUTO COLLIS	***11656 ARTESIA***	***SSW 0 - 1/8 (0.052 mi.)***	***G46***	***311***
EPA ID:: CAD094441581				
CIRCLE K STORES INC.	***17122 PIONEER BLVD***	***ENE 0 - 1/8 (0.119 mi.)***	***K77***	***472***
EPA ID:: CAL000056233				
EXXONMOBIL OIL CORP	17122 PIONEER BLVD	ENE 0 - 1/8 (0.119 mi.)	K78	475
EPA ID:: CAR000239616				
SUNSTON EQUIPMENT IN	***17128 ROSETON AVE***	***WNW 0 - 1/8 (0.123 mi.)***	***L82***	***481***
EPA ID:: CAD097459549				
C3 TRUCK COLLISION C	17106 ROSETON AVE	NW 1/8 - 1/4 (0.132 mi.)	L91	518
EPA ID:: CAR000179135				
WALGREENS #5773	***11800 ARTESIA BLVD***	***SE 1/8 - 1/4 (0.138 mi.)***	***N92***	***521***
EPA ID:: CAL000322884				
BOULEVARD CLEANERS	***11831 ARTESIA BLVD***	***ESE 1/8 - 1/4 (0.167 mi.)***	***P105***	***607***
EPA ID:: CAD981621964				
OSBORNS EXXON SERVIC	***16809 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W139***	***783***
EPA ID:: CAD982014375				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 25 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STRONGBOX INDUSTRIES	***17203 FLALLON AVE***	***NW 0 - 1/8 (0.017 mi.)***	***B26***	***125***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 09/07/2021				
Global Id: T0603705229				
Global ID: T0603705229				
Status: Completed - Case Closed				
Facility Id: R-14475				
Status: Case Closed				
ARTESIA BUILDING MAT	***16632 PIONEER BLVD S***	***NNE 1/4 - 1/2 (0.342 mi.)***	***AA156***	***855***
Database: LUST, Date of Government Version: 09/07/2021				
Global Id: T0603750351				
Status: Open - Site Assessment				
UNOCAL #5659	***11355 ARTESIA BLVD***	***W 1/4 - 1/2 (0.373 mi.)***	***158***	***863***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 09/07/2021				
Global Id: T0603704601				
Global ID: T0603704601				
Status: Completed - Case Closed				
Facility Id: R-02640				
Status: Case Closed				
DIAMOND TIRE CENTER	***16604 PIONEER***	***NNE 1/4 - 1/2 (0.375 mi.)***	***AA159***	***866***
Database: LUST, Date of Government Version: 09/07/2021				

Global Id: T0603704070
Status: Open - Remediation

DIAMOND TIRE CENTER ***16604 PIONEER BLVD*** ***NNE 1/4 - 1/2 (0.375 mi.)*** ***AA161*** ***882***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603704070
Facility Id: I-13467
Status: Remedial action (cleanup) Underway

UNITED OIL # 46 ***16516 PIONEER BLVD,*** ***NNE 1/4 - 1/2 (0.428 mi.)*** ***AB162*** ***886***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603796520
Status: Completed - Case Closed

TEXACO (FORMER) ***16516 PIONEER*** ***NNE 1/4 - 1/2 (0.428 mi.)*** ***AB163*** ***889***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603702701
Status: Completed - Case Closed

TEXACO (FORMER) ***16516 PIONEER BLVD*** ***NNE 1/4 - 1/2 (0.428 mi.)*** ***AB164*** ***890***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603702701
Facility Id: I-00305
Status: Case Closed

Lower Elevation	Address	Direction / Distance	Map ID	Page

NATIONAL READY MIXED ***11725 ARTESIA BLVD.*** ***SE 0 - 1/8 (0.018 mi.)*** ***A31*** ***180***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603793298
Status: Completed - Case Closed

GEORGE VERHOEVEN FEE ***11735 ARTESIA BLVD E*** ***SE 0 - 1/8 (0.040 mi.)*** ***E37*** ***284***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603703805
Global ID: T0603703805
Status: Completed - Case Closed
Facility Id: I-11487
Status: Case Closed

SHELL SERVICE STATIO ***17325 PIONEER UNIT C*** ***ESE 0 - 1/8 (0.086 mi.)*** ***E56*** ***385***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603724499
Facility Id: I-02242A
Status: Leak being confirmed

SHELL #204-0348-0500 ***17325 PIONEER BLVD*** ***ESE 0 - 1/8 (0.086 mi.)*** ***E58*** ***390***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603702841
Facility Id: I-02242
Status: Case Closed

CAL CRYSTAL INC DBA ***17325 PIONEER BLVD*** ***ESE 0 - 1/8 (0.086 mi.)*** ***E60*** ***392***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603724499
Global Id: T0603702841
Status: Completed - Case Closed

FORMER MOBIL #18-GP9 ***17122 PIONEER BLVD S*** ***ENE 0 - 1/8 (0.119 mi.)*** ***K69*** ***434***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021

Global Id: T0603702870
Global ID: T0603702870
Status: Open - Verification Monitoring
Facility Id: I-02871
Status: Remediation Plan

BIG PENNY CAR WASH ***17509 PIONEER BLVD*** ***SE 1/8 - 1/4 (0.128 mi.)*** ***M84*** ***485***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603704529
Global ID: T0603704529
Status: Completed - Case Closed
Facility Id: R-00456
Status: Remediation Plan

IDEAL FLORIST (FORME ***11800 E ARTESIA BLVD*** ***SE 1/8 - 1/4 (0.138 mi.)*** ***N96*** ***583***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603705214
Status: Completed - Case Closed

IDEAL FLORIST (FORME 11800 ARTESIA BLVD SE 1/8 - 1/4 (0.138 mi.) N98 589
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603705214
Facility Id: R-13915
Status: Preliminary site assessment workplan submitted

J & N ELECTRIC ***17107 ROSETON AVE*** ***WNW 1/8 - 1/4 (0.155 mi.)*** ***L103*** ***600***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603703852
Global ID: T0603703852
Status: Completed - Case Closed
Facility Id: I-11805
Status: Case Closed

EXXON #7-3314 (FORME ***16809 PIONEER BLVD S*** ***NNE 1/8 - 1/4 (0.218 mi.)*** ***W133*** ***770***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603702863
Global ID: T0603702863
Status: Completed - Case Closed
Facility Id: I-02660
Status: Case Closed

YARALIAN TEXACO ***16809 PIONEER BLVD*** ***NNE 1/8 - 1/4 (0.218 mi.)*** ***W135*** ***774***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603713730
Status: Completed - Case Closed

YARALIAN TEXACO ***16809 PIONEER BLVD*** ***NNE 1/8 - 1/4 (0.218 mi.)*** ***W137*** ***780***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603713730
Facility Id: I-02660A
Status: Preliminary site assessment workplan submitted

CHEVRON #9-5619 ***16725 PIONEER BLVD S*** ***NNE 1/8 - 1/4 (0.248 mi.)*** ***W148*** ***802***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603704541
Global Id: SL0603798449

Global ID: T0603704541
Status: Completed - Case Closed
Facility Id: R-00737
Status: Case Closed

PIONEER HOSPITAL ***17831 PIONEER BLVD*** ***SSE 1/4 - 1/2 (0.322 mi.)*** ***Y152*** ***837***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603701582
Global ID: T0603713113
Facility Id: 907010061
Facility Id: 907010061A
Status: Case Closed

SEE 002056-002133 ***17831 PIONEER BLVD*** ***SSE 1/4 - 1/2 (0.322 mi.)*** ***Y153*** ***841***
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603701582
Global Id: T0603713113
Status: Completed - Case Closed

ABC UNIFIED SCHOOL D ***11865 178TH ST E*** ***SE 1/4 - 1/2 (0.334 mi.)*** ***155*** ***848***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Global Id: T0603705086
Global Id: T0603706974
Global ID: T0603705086
Status: Completed - Case Closed
Facility Id: R-11981
Status: Case Closed

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELROY PAINTING CONTR	***17220 JERSEY***	***WNW 0 - 1/8 (0.041 mi.)***	***F39***	***290***

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: SLT4307977
Facility Status: No further action required
Facility Status: Completed - Case Closed

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRL GLASS SYSTEMS	***17004 ALBURTIS AVE***	***NNW 0 - 1/8 (0.069 mi.)***	***D54***	***370***

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: T10000011761
Facility Status: Open - Site Assessment

VALUE CLEANERS ***11414 ARTESIA BLVD*** ***WSW 1/4 - 1/2 (0.333 mi.)*** ***Z154*** ***847***
Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: SL204CJ2373

Facility Status: Open - Remediation

VALUE CLEANERS	11402 ARTESIA	WSW 1/4 - 1/2 (0.350 mi.)	Z157	863
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Site Assessment				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 16 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
O'BRIEN CAL COGEN LT	***17306 FLALLON AVE***	***SW 0 - 1/8 (0.001 mi.)***	***A17***	***95***
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: 8768				
NATIONAL READY MIXED	11725 ARTESIA BLVD	SE 0 - 1/8 (0.018 mi.)	A30	180
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: LACoFA0003414				
UNITED READY MIXED C	11725 ARTESIA BLVD	SE 0 - 1/8 (0.018 mi.)	A32	190
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: 3246				
SHELL #135062 (NICK'	17325 PIONEER BLVD	ESE 0 - 1/8 (0.086 mi.)	E59	392
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: LACoFA0020969				
NICK'S SHELL SERVICE	17325 PIONEER BLVD	ESE 0 - 1/8 (0.086 mi.)	E61	418
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: 26233				
MOBIL OIL CORP S/S #	17122 PIONEER BLVD	ENE 0 - 1/8 (0.119 mi.)	K72	466
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: 2871				
FORMER MOBIL #18-GP9	17122 SOUTH PIONEER	ENE 0 - 1/8 (0.119 mi.)	K73	467
Database: UST CLOSURE, Date of Government Version: 08/18/2021				
NADER W OIL LLC	17122 PIONEER BLVD	ENE 0 - 1/8 (0.119 mi.)	K76	472
Database: UST, Date of Government Version: 09/07/2021				
BIG PENNY CAR WASH	***17509 PIONEER BLVD***	***SE 1/8 - 1/4 (0.128 mi.)***	***M84***	***485***
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: 456				
BIG PENNY CAR WASH	17509 PIONEER BOULEV	SE 1/8 - 1/4 (0.128 mi.)	M86	505
Database: UST CLOSURE, Date of Government Version: 08/18/2021				
EVERGREEN PIONEER IN	11800 ARTESIA BLVD	SE 1/8 - 1/4 (0.138 mi.)	N93	538
Database: UST, Date of Government Version: 09/07/2021				
Facility Id: 32571				
ARTESIA ICE SERVICE	***11846 FRAMPTON CT***	***ENE 1/8 - 1/4 (0.201 mi.)***	***T122***	***718***
Database: UST, Date of Government Version: 09/07/2021				

Facility Id: 26759

YARALIAN TEXACO	***16809 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W137***	***780***
Database: UST, Date of Government Version: 09/07/2021 Facility Id: 2660				
JOHAL OIL CORPORATIO	16809 S PIONEER BLVD	NNE 1/8 - 1/4 (0.218 mi.)	W138	782
Database: UST, Date of Government Version: 09/07/2021 Facility Id: LACoFA0020941				
PIONEER CHEVRON	16725 PIONEER BLVD	NNE 1/8 - 1/4 (0.248 mi.)	W144	796
Database: UST, Date of Government Version: 09/07/2021 Facility Id: LACoFA0020945				
CHEVRON USA SS 09561	16725 PIONEER BLVD	NNE 1/8 - 1/4 (0.248 mi.)	W150	837
Database: UST, Date of Government Version: 09/07/2021 Facility Id: 737				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/15/2021 has revealed that there are 21 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JMC TRUCK REPAIR	***17224 ALBURTIS ST***	***ENE 0 - 1/8 (0.016 mi.)***	***A20***	***101***
ELITE CONSTRUCTION E	***17223 JERSEY AVE***	***W 0 - 1/8 (0.066 mi.)***	***F52***	***363***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL READY MIXED	***11725 ARTESIA BLVD***	***SE 0 - 1/8 (0.018 mi.)***	***A27***	***128***
CAL PLATE	***17110 JERSEY AVE***	***NW 0 - 1/8 (0.038 mi.)***	***D34***	***191***
JASPERS AUTO SERVICE	***11648 ARTESIA BLVD***	***SW 0 - 1/8 (0.048 mi.)***	***C41***	***291***
CERRITOS AUTO BODY	***11656 E ARTESIA BLVD***	***SSW 0 - 1/8 (0.052 mi.)***	***G44***	***301***
INSIGHT SHOOTING RAN	***17020 ALBURTIS AVE***	***NNW 0 - 1/8 (0.054 mi.)***	***D48***	***348***
KOEUN PRINTING	***11754 ARTESIA BLVD #***	***SE 0 - 1/8 (0.063 mi.)***	***E50***	***359***
CAL CRYSTAL INC DBA	***17325 PIONEER BLVD***	***ESE 0 - 1/8 (0.086 mi.)***	***E60***	***392***
L&K AUTO SERVICE	***11618 ARTESIA BLVD***	***SW 0 - 1/8 (0.095 mi.)***	***H63***	***420***
NADER W OIL LLC	***17122 PIONEER BLVD***	***ENE 0 - 1/8 (0.119 mi.)***	***K70***	***449***
A.N.J. RV-TRAILER SE	***17106 ROSETON AV***	***NW 1/8 - 1/4 (0.132 mi.)***	***L90***	***510***
WALGREENS #5773	***11800 ARTESIA BLVD***	***SE 1/8 - 1/4 (0.138 mi.)***	***N94***	***538***
BOULEVARD CLEANERS	***11831 ARTESIA BLVD***	***ESE 1/8 - 1/4 (0.167 mi.)***	***P105***	***607***
DOLLAR TREE #04575	***11837 ARTESIA BLVD***	***ESE 1/8 - 1/4 (0.172 mi.)***	***P111***	***633***
SHIL PARK PAINT	***11521 ARTESIA BLVD***	***WSW 1/8 - 1/4 (0.180 mi.)***	***Q113***	***663***
CVS PHARMACY # 9488	***11851 ARTESIA BLVD***	***ESE 1/8 - 1/4 (0.182 mi.)***	***P115***	***675***
ALBERTSONS #0651	***11815 ARTESIA BLVD***	***E 1/8 - 1/4 (0.192 mi.)***	***R117***	***705***
99 RANCH MARKET #17	***17713 PIONEER BLVD***	***SSE 1/8 - 1/4 (0.201 mi.)***	***S123***	***718***
JOHAL OIL CORPORATIO	***16809 S PIONEER BLVD***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W132***	***746***
PIONEER CHEVRON	***16725 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.248 mi.)***	***W149***	***808***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 13 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STRONGBOX INDUSTRIES Status: A Comp Number: 14475	***17203 FLALLON AVE***	***NW 0 - 1/8 (0.017 mi.)***	***B26***	***125***
VANDENBERG MFG CO Status: A Tank Status: A Comp Number: 11324	***17306 ROSETON AVE***	***W 0 - 1/8 (0.115 mi.)***	***J68***	***433***

Lower Elevation	Address	Direction / Distance	Map ID	Page
O'BRIEN CAL COGEN LT Status: A Tank Status: A Comp Number: 8768	***17306 FLALLON AVE***	***SW 0 - 1/8 (0.001 mi.)***	***A17***	***95***
NATIONAL READY MIXED Status: A Tank Status: A Comp Number: 3246	***11725 ARTESIA BLVD***	***SE 0 - 1/8 (0.018 mi.)***	***A28***	***176***
JOHN WYNEGA Status: A Comp Number: 13199	11645 ARTESIA BLVD	SW 0 - 1/8 (0.028 mi.)	C33	190
GEORGE VEROEVEN FEED Comp Number: 11487	***11735 E ARTESIA BLVD***	***SE 0 - 1/8 (0.040 mi.)***	***E36***	***282***
MS CLAUDIA COVERT Status: A Comp Number: 14310	11655 ARTESIA BLVD	SW 0 - 1/8 (0.044 mi.)	C40	291
NICKS SHELL SERVICE Status: A Tank Status: A Comp Number: 2242	***17325 PIONEER BLVD***	***ESE 0 - 1/8 (0.086 mi.)***	***E62***	***418***
MOBIL OIL CORP Status: A Tank Status: A Comp Number: 2871	***17122 PIONEER BLVD***	***ENE 0 - 1/8 (0.119 mi.)***	***K79***	***478***
BIG PENNY CAR WASH Status: A Tank Status: A Comp Number: 456	***17509 PIONEER BLVD***	***SE 1/8 - 1/4 (0.128 mi.)***	***M84***	***485***
J & N ELECTRIC Status: A	***17107 ROSETON AVE***	***WNW 1/8 - 1/4 (0.155 mi.)***	***L103***	***600***

Comp Number: 11805

JOHAL OIL CORPORATIO — ***16809 S PIONEER BLVD*** — ***NNE 1/8 - 1/4 (0.218 mi.)*** — ***W132*** — ***746***
Status: A
Tank Status: A
Comp Number: 2660

PIONEER CHEVRON — ***16725 PIONEER BLVD*** — ***NNE 1/8 - 1/4 (0.248 mi.)*** — ***W149*** — ***808***
Status: A
Tank Status: A
Comp Number: 737

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 11 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VANDENBERG MFG CO IN Facility Id: 00000046906	***17306 ROSETON AVE***	***W 0 - 1/8 (0.115 mi.)***	***J66***	***428***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL READY MIXED Facility Id: 00000020474	***11725 ARTESIA BLVD.***	***SE 0 - 1/8 (0.018 mi.)***	***A31***	***180***
GEORGE VEROEVEN FEED	***11735 E ARTESIA BLVD***	***SE 0 - 1/8 (0.040 mi.)***	***E36***	***282***
GEORGE VERHOEVEN FEE Facility Id: 00000007603	11735 ARTESIA BLVD	SE 0 - 1/8 (0.040 mi.)	E38	289
NADER WAREH Facility Id: 00000039801	***17122 PIONEER BLVD***	***ENE 0 - 1/8 (0.119 mi.)***	***K75***	***469***
BIG PENNY CAR WASH Facility Id: 00000005157	***17509 PIONEER BLVD***	***SE 1/8 - 1/4 (0.128 mi.)***	***M84***	***485***
BIG PENNY CAR WASH	17509 POINEER BL	SE 1/8 - 1/4 (0.128 mi.)	M87	505
J & N ELECTRIC Facility Id: 00000005076	***17107 ROSETON AVE***	***WNW 1/8 - 1/4 (0.155 mi.)***	***L103***	***600***
ARTESIA ICE SERVICE Facility Id: 00000041411	***17119 CLARKDALE AVE***	***ENE 1/8 - 1/4 (0.201 mi.)***	***T120***	***714***
EXXON SERVICE STATIO Facility Id: 00000029132	16809 PIONEER	NNE 1/8 - 1/4 (0.218 mi.)	W136	779
95619 Facility Id: 00000062785	16725 PIONEER BLVD	NNE 1/8 - 1/4 (0.248 mi.)	W145	796

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 07/15/2021 has revealed that there are 5 CERS TANKS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL READY MIXED	***11725 ARTESIA BLVD***	***SE 0 - 1/8 (0.018 mi.)***	***A27***	***128***
CAL CRYSTAL INC DBA	***17325 PIONEER BLVD***	***ESE 0 - 1/8 (0.086 mi.)***	***E60***	***392***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NADER W OIL LLC	***17122 PIONEER BLVD***	***ENE 0 - 1/8 (0.119 mi.)***	***K70***	***449***
JOHAL OIL CORPORATIO	***16809 S PIONEER BLVD***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W132***	***746***
PIONEER CHEVRON	***16725 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.248 mi.)***	***W149***	***808***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VANDENBERG MFG CO Facility Id: 19054944 Status: A	***17306 ROSETON AVE***	***W 0 - 1/8 (0.115 mi.)***	***J68***	***433***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL READY MIXED Facility Id: 19042049 Status: A	***11725 ARTESIA BLVD***	***SE 0 - 1/8 (0.018 mi.)***	***A28***	***176***
GEORGE VEROEVEN FEED Facility Id: 19002259 Status: I	***11735 E ARTESIA BLVD***	***SE 0 - 1/8 (0.040 mi.)***	***E36***	***282***
BIG PENNY CAR WASH Facility Id: 19027752 Status: A	***17509 PIONEER BLVD***	***SE 1/8 - 1/4 (0.128 mi.)***	***M83***	***484***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 42 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOCAL DIESEL REPAIR	17224 ALBURTIS AVE	ENE 0 - 1/8 (0.016 mi.)	A19	99
CITY OF ARTESIA PUBL EPA ID:: CAL000452180	17202 ALBURTIS AVE	NE 0 - 1/8 (0.016 mi.)	B21	114
ELITE CONSTRUCTION E EPA ID:: CAL000411485	17223 JERSEY AVE	W 0 - 1/8 (0.066 mi.)	F51	360
VANDENBERG MFG CO. I EPA ID:: CAC003013809	17306 ROSETON AVE	W 0 - 1/8 (0.115 mi.)	J67	431
MCDONALD MFG INC	17311 ROSETON	W 1/8 - 1/4 (0.147 mi.)	J101	595

EPA ID:: CAL000172579				
CHIP LAO EPA ID:: CAC003007515	17213 GARD AVENUE	W 1/8 - 1/4 (0.205 mi.)	U126	730
CHIP LAO EPA ID:: CAC003009319	17213 GARD AVENUE	W 1/8 - 1/4 (0.205 mi.)	U127	733

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRO TECH KNIVES LLC EPA ID:: CAL000393864	17115 ALBURTIS AVE	N 0 - 1/8 (0.010 mi.)	B18	96
ENVIRONMENTAL RENTAL EPA ID:: CAC003025551	17160 ALBURTIS	NNE 0 - 1/8 (0.017 mi.)	B23	116
ENVIRONMENTAL RENTAL EPA ID:: CAL000381818	17160 ALBURTIS AVE	NNE 0 - 1/8 (0.017 mi.)	B24	119
ENVIRONMENTAL RENTAL EPA ID:: CAC003000476	17160 ALBURTIS AVE	NNE 0 - 1/8 (0.017 mi.)	B25	122
NATIONAL READY MIXED EPA ID:: CAL000216188	11725 E ARTESIA BLVD	SE 0 - 1/8 (0.018 mi.)	A29	177
JASPER'S AUTO SERVIC EPA ID:: CAL000046736	11648 ARTESIA BOULEV	SW 0 - 1/8 (0.048 mi.)	C43	299
CERRITOS AUTO BODY I EPA ID:: CAL000284807	11656 ARTESIA BLVD	SSW 0 - 1/8 (0.052 mi.)	G45	308
INSIGHT SHOOTING RAN EPA ID:: CAL000303717	17020 ALBURTIS AVE	NNW 0 - 1/8 (0.054 mi.)	D47	345
SHELL SERVICE STATIO EPA ID:: CAR000125807	***17325 PIONEER BLVD***	***ESE 0 - 1/8 (0.086 mi.)***	***E55***	***371***
SHELL SERVICE STATIO EPA ID:: CAR000125674	***17325 PIONEER UNIT C***	***ESE 0 - 1/8 (0.086 mi.)***	***E56***	***385***
L & K AUTO SERVICE EPA ID:: CAL000296051	11618 ARTESIA BLVD S	SW 0 - 1/8 (0.095 mi.)	H64	425
NADER W OIL LLC EPA ID:: CAL000400861	17122 PIONEER BLVD	ENE 0 - 1/8 (0.119 mi.)	K71	464
TRUK PROS INC EPA ID:: CAL000366937	17106 ROSETON AVE	NW 1/8 - 1/4 (0.132 mi.)	L89	508
GOLDEN STATE WATER C	17456 ROSETON AVE.	SW 1/8 - 1/4 (0.145 mi.)	O99	590
GOLDEN STATE WATER C	17456 ROSETON AVE	SW 1/8 - 1/4 (0.145 mi.)	O100	592
MID CITYS ELECTRIC I EPA ID:: CAL000403074	17117 ROSETON AVE	WNW 1/8 - 1/4 (0.150 mi.)	L102	597
M G WATANBE INC DBA EPA ID:: CAL000342662	17031 ROSETON AVE	NW 1/8 - 1/4 (0.160 mi.)	104	604
ARTESIA CENTER CLEAN EPA ID:: CAL000306979	11831 ARTESIA BLVD	ESE 1/8 - 1/4 (0.167 mi.)	P108	627
DOLLAR TREE #04575 EPA ID:: CAL000378449	11837 ARTESIA BLVD	ESE 1/8 - 1/4 (0.172 mi.)	P110	630
SHIL PARK PAINT INC EPA ID:: CAL000350641	11521 ARTESIA BLVD	WSW 1/8 - 1/4 (0.180 mi.)	Q112	660
ANNA BELLE A CUYONG	17510 PIONEER BLVD S	SE 1/8 - 1/4 (0.182 mi.)	116	702

EPA ID:: CAL000181159				
STATER BROS MARKETS EPA ID:: CAL000340344	11815 ARTESIA BLVD	E 1/8 - 1/4 (0.192 mi.)	R118	709
TALLY HO APARTMENTS EPA ID:: CAC003046940	17701 PIONEER BLVD	SSE 1/8 - 1/4 (0.199 mi.)	S119	711
ARTESIA ICE EPA ID:: CAP00007991	11846 FRAMPTON CT	ENE 1/8 - 1/4 (0.201 mi.)	T121	715
99 RANCH MARKET #17 EPA ID:: CAL000394792	17713 PIONEER BLVD	SSE 1/8 - 1/4 (0.201 mi.)	S124	725
BOER BACKHOE INC EPA ID:: CAL000371420	11836 ARTESIA BLVD	ESE 1/8 - 1/4 (0.204 mi.)	125	728
LINOTYPE CO EPA ID:: CAD981432800	***17100 PIONEER BLVD***	***ENE 1/8 - 1/4 (0.207 mi.)***	***T128***	***735***
MARYANNE POPPE	17117 GARD AVE	WNW 1/8 - 1/4 (0.217 mi.)	V129	738
MARYANNE POPPE	17117 GARD AVE	WNW 1/8 - 1/4 (0.217 mi.)	V130	741
JOHAL OIL CORPORATIO EPA ID:: CAL000436440	16809 S PIONEER BLVD	NNE 1/8 - 1/4 (0.218 mi.)	W131	743
CERVANTES, LAWRENCE EPA ID:: CAC002975206	11663 E. 168TH STREE	N 1/8 - 1/4 (0.225 mi.)	140	786
JORDAN, LEROY EPA ID:: CAC002997408	17105 GARD AVENUE	WNW 1/8 - 1/4 (0.226 mi.)	V141	788
BRIAN CURTISS	11550 168TH STREET	NNW 1/8 - 1/4 (0.232 mi.)	X142	791
THOMAS HEATH EPA ID:: CAC003016015	11603 168TH ST	NNW 1/8 - 1/4 (0.232 mi.)	X143	793
CHEVRON STATION NO 9 EPA ID:: CAR000119180	***16725 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.248 mi.)***	***W146***	***797***

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/17/2021 has revealed that there are 19 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STRONGBOX INDUSTRIES Cleanup Status: COMPLETED - CASE CLOSED	***17203 FLALLON AVE***	***NW 0 - 1/8 (0.017 mi.)***	***B26***	***125***
ARTESIA BUILDING MAT Cleanup Status: OPEN - SITE ASSESSMENT	***16632 PIONEER BLVD S***	***NNE 1/4 - 1/2 (0.342 mi.)***	***AA156***	***855***
UNOCAL #5659 Cleanup Status: COMPLETED - CASE CLOSED	***11355 ARTESIA BLVD***	***W 1/4 - 1/2 (0.373 mi.)***	***158***	***863***
DIAMOND TIRE CENTER Cleanup Status: OPEN - REMEDIATION	***16604 PIONEER BLVD***	***NNE 1/4 - 1/2 (0.375 mi.)***	***AA160***	***878***
UNITED OIL # 46 Cleanup Status: COMPLETED - CASE CLOSED	***16516 PIONEER BLVD,***	***NNE 1/4 - 1/2 (0.428 mi.)***	***AB162***	***886***
TEXACO (FORMER) Cleanup Status: COMPLETED - CASE CLOSED	***16516 PIONEER BLVD***	***NNE 1/4 - 1/2 (0.428 mi.)***	***AB164***	***890***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL READY MIXED	***11725 ARTESIA BLVD.***	***SE 0 - 1/8 (0.018 mi.)***	***A31***	***180***

Cleanup Status: COMPLETED - CASE CLOSED

GEORGE VERHOEVEN FEE	***11735 ARTESIA BLVD E***	***SE 0 - 1/8 (0.040 mi.)***	***E37***	***284***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL SERVICE STATIO	***17325 PIONEER UNIT C***	***ESE 0 - 1/8 (0.086 mi.)***	***E56***	***385***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL #204-0348-0500	***17325 PIONEER BLVD***	***ESE 0 - 1/8 (0.086 mi.)***	***E58***	***390***
Cleanup Status: COMPLETED - CASE CLOSED				
FORMER MOBIL #18-GP9	***17122 PIONEER BLVD S***	***ENE 0 - 1/8 (0.119 mi.)***	***K69***	***434***
Cleanup Status: OPEN - VERIFICATION MONITORING				
BIG PENNY CAR WASH	***17509 PIONEER BLVD***	***SE 1/8 - 1/4 (0.128 mi.)***	***M88***	***506***
Cleanup Status: COMPLETED - CASE CLOSED				
IDEAL FLORIST (FORME	***11800 E ARTESIA BLVD***	***SE 1/8 - 1/4 (0.138 mi.)***	***N96***	***583***
Cleanup Status: COMPLETED - CASE CLOSED				
J & N ELECTRIC	***17107 ROSETON AVE***	***WNW 1/8 - 1/4 (0.155 mi.)***	***L103***	***600***
Cleanup Status: COMPLETED - CASE CLOSED				
EXXON #7-3314 (FORME	***16809 PIONEER BLVD S***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W133***	***770***
Cleanup Status: COMPLETED - CASE CLOSED				
YARALIAN TEXACO	***16809 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W137***	***780***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON #9-5619	***16725 PIONEER BLVD S***	***NNE 1/8 - 1/4 (0.248 mi.)***	***W148***	***802***
Cleanup Status: COMPLETED - CASE CLOSED				
PIONEER HOSPITAL	***17831 PIONEER BLVD***	***SSE 1/4 - 1/2 (0.322 mi.)***	***Y152***	***837***
Cleanup Status: COMPLETED - CASE CLOSED				
ABC UNIFIED SCHOOL D	***11865 178TH ST E***	***SE 1/4 - 1/2 (0.334 mi.)***	***155***	***848***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 3 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BOULEVARD CLEANERS	***11831 ARTESIA BLVD***	***ESE 1/8 - 1/4 (0.167 mi.)***	***P105***	***607***
Database: DRYCLEANERS, Date of Government Version: 08/27/2021				
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2021				
EPA Id: CAL000297623				
EPA Id: CAL000306979				
ARTESIA CENTER CLEAN	11831 ARTESIA BLVD	ESE 1/8 - 1/4 (0.167 mi.)	P107	627
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2021				
AJAY CLEANERS, JAYES	11831 ARTESIA BLVD	ESE 1/8 - 1/4 (0.167 mi.)	P109	630
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2021				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 14 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STRONGBOX INDUSTRIES Reg Id: R-14475	***17203 FLALLON AVE***	***NW 0 - 1/8 (0.017 mi.)***	***B26***	***125***
UNOCAL #5659 Reg Id: R-02640	***11355 ARTESIA BLVD***	***W 1/4 - 1/2 (0.373 mi.)***	***158***	***863***
DIAMOND TIRE CENTER Reg Id: I-13467	***16604 PIONEER***	***NNE 1/4 - 1/2 (0.375 mi.)***	***AA159***	***866***
TEXACO (FORMER) Reg Id: I-00305	***16516 PIONEER***	***NNE 1/4 - 1/2 (0.428 mi.)***	***AB163***	***889***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GEORGE VERHOEVEN FEE Reg Id: I-11487	***11735 ARTESIA BLVD E***	***SE 0 - 1/8 (0.040 mi.)***	***E37***	***284***
CAL CRYSTAL INC DBA	***17325 PIONEER BLVD***	***ESE 0 - 1/8 (0.086 mi.)***	***E60***	***392***
MOBIL #18-GP9 (FORME Reg Id: I-02871	***17122 PIONEER***	***ENE 0 - 1/8 (0.119 mi.)***	***K74***	***467***
BIG PENNY CAR WASH Reg Id: R-00456	***17509 PIONEER BLVD***	***SE 1/8 - 1/4 (0.128 mi.)***	***M84***	***485***
IDEAL FLORIST Reg Id: R-13915	11800 ARTESIA	SE 1/8 - 1/4 (0.138 mi.)	N97	588
J & N ELECTRIC Reg Id: I-11805	***17107 ROSETON AVE***	***WNW 1/8 - 1/4 (0.155 mi.)***	***L103***	***600***
YARALIAN TEXACO Reg Id: I-02660	***16809 PIONEER BLVD***	***NNE 1/8 - 1/4 (0.218 mi.)***	***W135***	***774***
CHEVRON #9-5619 Reg Id: R-00737	16725 PIONEER	NNE 1/8 - 1/4 (0.248 mi.)	W151	837
SEE 002056-002133 Reg Id: 907010061	***17831 PIONEER BLVD***	***SSE 1/4 - 1/2 (0.322 mi.)***	***Y153***	***841***
ABC UNIFIED SCHOOL D Reg Id: R-11981	***11865 178TH ST E***	***SE 1/4 - 1/2 (0.334 mi.)***	***155***	***848***

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 05/10/2021 has revealed that there is 1 NPDES site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA DAIRIES I Facility Status: Terminated	***PO BOX 6210***	***0 - 1/8 (0.000 mi.)***	***A16***	***88***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 03/12/2021 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DEL TACO	15911 PIONEER BLVD.	N 1/2 - 1 (0.859 mi.)	165	892

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 10 EDR Hist Auto sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GULF STATES INC	17160 ALBURTIS AVE	NNE 0 - 1/8 (0.017 mi.)	B22	116
MIKE'S SHELL SERVICE	11754 ARTESIA BLVD	SE 0 - 1/8 (0.063 mi.)	E49	358
SHELL NICK SERVICE	17325 PIONEER BLVD	ESE 0 - 1/8 (0.086 mi.)	E57	389
ROBINSON LEROY	17235 PIONEER BLVD	E 0 - 1/8 (0.095 mi.)	I65	428
NADERS MOBILE STATIO	17122 PIONEER BLVD	ENE 0 - 1/8 (0.119 mi.)	K80	480
MARTIN WAYNE	17326 PIONEER	ESE 0 - 1/8 (0.120 mi.)	I81	480
BIG PENNY CAR-WASH #	17509 PIONEER BLVD	SE 1/8 - 1/4 (0.128 mi.)	M85	504
MONTGOMERY & CLARK	11800 E ARTESIA	SE 1/8 - 1/4 (0.138 mi.)	N95	583
YARALIANS SERVICES	16809 PIONEER BLVD	NNE 1/8 - 1/4 (0.218 mi.)	W134	774
BOB'S CHEVRON STATIO	16725 S PIONEER BLVD	NNE 1/8 - 1/4 (0.248 mi.)	W147	801

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.25 miles of the target property.

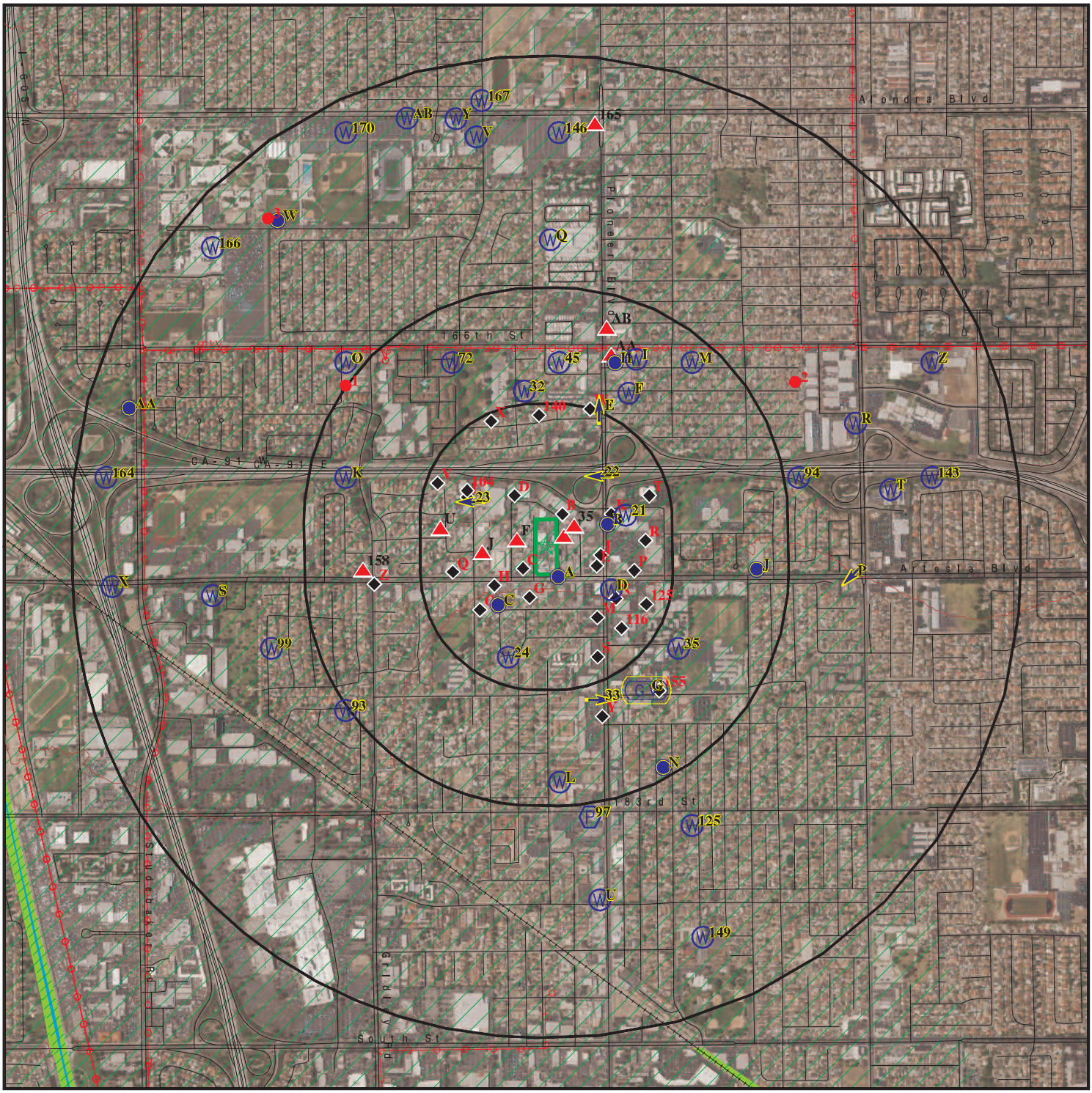
EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
BOULEVARD CLEANERS	11831 ARTESIA BLVD	ESE 1/8 - 1/4 (0.167 mi.)	P106	626

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6777008.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	11709 Artesia Boulevard	CLIENT:	Ramboll
ADDRESS:	11709 Artesia Boulevard Artesia CA 90701	CONTACT:	Cara Thomann
		INQUIRY #:	6777008.2s
LAT/LONG:	33.874031 / 118.084478	DATE:	December 06, 2021 5:13 pm

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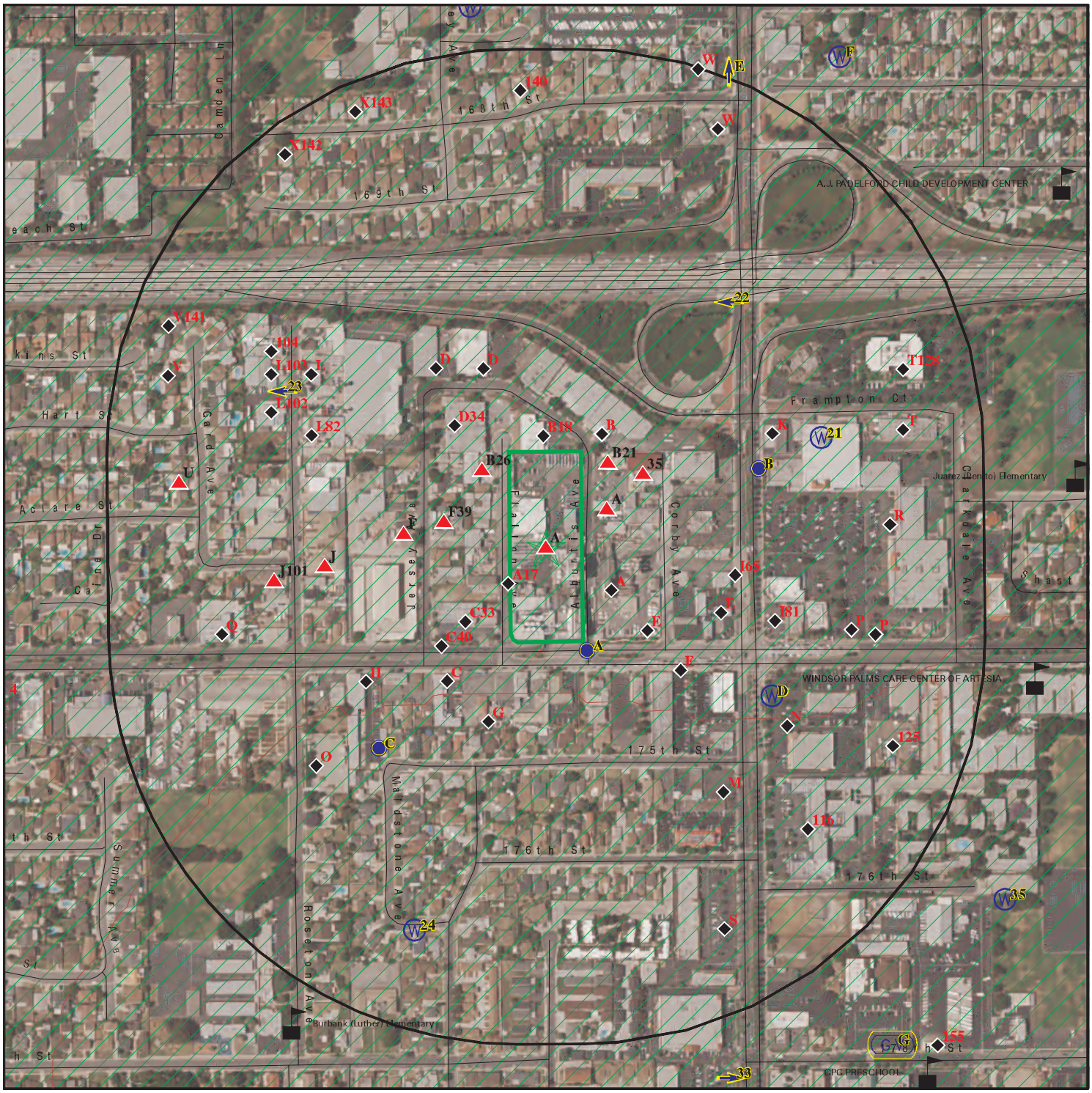
DETAIL MAP - 6777008.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	11709 Artesia Boulevard	CLIENT:	Ramboll
ADDRESS:	11709 Artesia Boulevard Artesia CA 90701	CONTACT:	Cara Thomann
		INQUIRY #:	6777008.2s
LAT/LONG:	33.874031 / 118.084478	DATE:	December 06, 2021 5:17 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	2	NR	NR	NR	3
RCRA-SQG	0.250		7	4	NR	NR	NR	11
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500	1	7	8	10	NR	NR	26
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	2	NR	NR	4
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	8	8	NR	NR	NR	17
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		11	10	NR	NR	NR	21
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	9	4	NR	NR	NR	14
HIST UST	0.250	1	5	6	NR	NR	NR	12

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CERS TANKS	0.250		3	2	NR	NR	NR	5
CA FID UST	0.250	1	3	1	NR	NR	NR	5
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	16	26	NR	NR	NR	43
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001	1	0	NR	NR	NR	NR	1
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001	1	0	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FINDS	0.001	2	0	NR	NR	NR	NR	2
ECHO	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500	1	6	6	7	NR	NR	20
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	3	NR	NR	NR	3
EMI	0.001	1	0	NR	NR	NR	NR	1
ENF	0.001	1	0	NR	NR	NR	NR	1
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	4	0	NR	NR	NR	NR	4
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	4	5	5	NR	NR	15
LOS ANGELES CO. HMS	0.001	2	0	NR	NR	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		1	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001	1	0	NR	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	2	NR	NR	NR	NR	NR	2
CERS	TP	1	NR	NR	NR	NR	NR	1
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
HWTS	TP	4	NR	NR	NR	NR	NR	4
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		6	4	NR	NR	NR	10
EDR Hist Cleaner	0.250		0	1	NR	NR	NR	1

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001	3	0	NR	NR	NR	NR	3
- Totals --		32	89	90	24	1	0	236

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **CALIFORNIA MILK PRODUCERS** **RGA LUST** **S114590092**
Target **11709 ARTESIA BLVD E** **N/A**
Property **ARTESIA, CA**

Site 1 of 25 in cluster A

Actual: **64 ft.**

RGA LUST:
Name: CALIFORNIA MILK PRODUCERS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
1996 CALIFORNIA MILK PRODUCERS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCERS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
1995 CALIFORNIA MILK PRODUCERS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCERS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
1994 CALIFORNIA MILK PRODUCERS 11709 ARTESIA BLVD E

A2 **CALIFORNIA MILK PRODUCTS** **RGA LUST** **S114590099**
Target **11709 ARTESIA BLVD E** **N/A**
Property **ARTESIA, CA**

Site 2 of 25 in cluster A

Actual: **64 ft.**

RGA LUST:
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2012 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2011 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2010 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2009 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2008 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2007 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E

CALIFORNIA MILK PRODUCTS (Continued) **S114590099**

Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2006 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2005 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2003 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2002 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2001 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
2000 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
1998 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City: ARTESIA
State: ARTESIA
1997 CALIFORNIA MILK PRODUCTS 11709 ARTESIA BLVD E

A3 **CALIFORNIA MILK PRODUCTS** **FINDS** **1023322832**
Target **11709 ARTESIA BLVD E** **N/A**
Property **ARTESIA, CA 90701**

Site 3 of 25 in cluster A

Actual:
64 ft.

FINDS:
Registry ID: 110066167276

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 **CALIF MILK PRODUCERS** **UST** **U003775871**
Target **11709 ARTESIA BLVD** **N/A**
Property **ARTESIA, CA 90701**

Site 4 of 25 in cluster A

Actual: **64 ft.**

UST:

Name:	CALIF MILK PRODUCERS
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	1249
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.875375
Longitude:	-118.083117

A5 **1X CALIFORNIA MILK PRODUCERS INC** **HAZNET** **S123706806**
Target **11709 E ARTESIA BLVD** **HWTS** **N/A**
Property **ARTESIA, CA 90701**

Site 5 of 25 in cluster A

Actual: **64 ft.**

HAZNET:

Name:	1X CALIFORNIA MILK PRODUCERS INC
Address:	11709 E ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
Contact:	GROVER JOHNS
Telephone:	2138651251
Mailing Name:	Not reported
Mailing Address:	11709 E ARTESIA BLVD
Year:	1988
Gepaid:	CAC000072629
TSD EPA ID:	CAD067786748
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	03 -
Tons:	0

HWTS:

Name:	1X CALIFORNIA MILK PRODUCERS INC
Address:	11709 E ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAC000072629
Inactive Date:	10/25/2000
Create Date:	03/16/1988
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	11709 E ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907010000
Owner Name:	CALIFORNIA MILK PRODUCERS INC
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	GROVER JOHNS
Contact Address:	--

1X CALIFORNIA MILK PRODUCERS INC (Continued) **S123706806**

Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

A6 Target Property **1X CALIFORNIA MILK PRODUCERS**
11709 EAST ARTESIA BLVD
ARTESIA, CA 90701

HAZNET S123749270
HWTS N/A

Site 6 of 25 in cluster A

Actual: 64 ft.

HAZNET:

Name:	1X CALIFORNIA MILK PRODUCERS
Address:	11709 EAST ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
Contact:	KEN MILLER/ENGINEERING MANAGER
Telephone:	3108651291
Mailing Name:	Not reported
Mailing Address:	11709 EAST ARTESIA BLVD
Year:	1992
Gepaid:	CAC000857104
TSD EPA ID:	CAD089446710
CA Waste Code:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method:	H01 - Transfer Station
Tons:	0.015

HWTS:

Name:	1X CALIFORNIA MILK PRODUCERS
Address:	11709 EAST ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAC000857104
Inactive Date:	10/25/2000
Create Date:	11/10/1992
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	11709 EAST ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907010000
Owner Name:	CO-OP
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	KEN MILLER/ENGINEERING MANAGER
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

A7 Target Property — **CALIFORNIA DAIRIES INC**, **11709 E ARTESIA BLVD**, **ARTESIA, CA 90701** — **HAZNET** **S113024599**; **HWTS** **N/A**

Site 7 of 25 in cluster A

Actual: 64 ft.

HAZNET:

Name:	CALIFORNIA DAIRIES INC
Address:	11709 E ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 932919358
Contact:	DANA HORNE
Telephone:	5592335154
Mailing Name:	Not reported
Mailing Address:	2000 N PLAZA DR
Year:	2019
Gepaid:	CAL000008617
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.05000
Year:	2018
Gepaid:	CAL000008617
TSD EPA ID:	ARD069748192
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15000
Year:	2018
Gepaid:	CAL000008617
TSD EPA ID:	CAD044429835
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.90000
Year:	2018
Gepaid:	CAL000008617
TSD EPA ID:	CAD044429835
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.10000
Year:	2018
Gepaid:	CAL000008617
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.00000
Year:	2018
Gepaid:	CAL000008617
TSD EPA ID:	AZD081705402

CALIFORNIA DAIRIES INC (Continued) **S113024599**

CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03750

Year: 2016
Gepaid: CAL000008617
TSD EPA ID: CAD044429835
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2016
Gepaid: CAL000008617
TSD EPA ID: TXD055141378
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.14

Year: 2015
Gepaid: CAL000008617
TSD EPA ID: AZD081705402
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2015
Gepaid: CAL000008617
TSD EPA ID: CAD044429835
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0375

Click this hyperlink while viewing on your computer to access
24 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2012
Gen EPA ID: CAL000008617

Shipment Date: 20120606
Creation Date: 12/11/2012 22:16:18
Receipt Date: 20120721
Manifest ID: 000489881WAS
Trans EPA ID: IND058484114
Trans Name: HERITAGE TRANSPORT LLC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: - Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120409
Creation Date:	12/6/2012 22:15:45
Receipt Date:	20120519
Manifest ID:	000446094WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	IND093219012
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120218
Creation Date:	12/6/2012 22:15:45
Receipt Date:	20120307
Manifest ID:	000446796WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	IND093219012
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000008617

Shipment Date: 20150929
Creation Date: 12/21/2015 22:15:08
Receipt Date: 20151008
Manifest ID: 004735140SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 792 - Not reported
RCRA Code: D008
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: D002
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150929
Creation Date: 12/21/2015 22:15:08
Receipt Date: 20151008
Manifest ID: 004735140SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150929

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151009
Manifest ID:	004844453SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150910
Creation Date:	4/7/2016 22:15:27
Receipt Date:	20150921
Manifest ID:	000585618WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150910
Creation Date:	4/7/2016 22:15:27
Receipt Date:	20150921
Manifest ID:	000585618WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150616
Creation Date:	1/20/2016 22:15:43
Receipt Date:	20150702
Manifest ID:	004735141SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000008617
Shipment Date:	20150929
Creation Date:	12/21/2015 22:15:08
Receipt Date:	20151008
Manifest ID:	004735140SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Waste Code Description:	792 - Not reported
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150929
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151009
Manifest ID:	004844453SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150929
Creation Date:	12/21/2015 22:15:08
Receipt Date:	20151008
Manifest ID:	004735140SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150910
Creation Date:	4/7/2016 22:15:27
Receipt Date:	20150921
Manifest ID:	000585618WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150910
Creation Date:	4/7/2016 22:15:27
Receipt Date:	20150921
Manifest ID:	000585618WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150616
Creation Date:	1/20/2016 22:15:43

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Receipt Date:	20150702
Manifest ID:	004735141SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000008617

Shipment Date:	20090317
Creation Date:	7/20/2009 18:30:18
Receipt Date:	20090330
Manifest ID:	001750006SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000008617

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Shipment Date:	20011012
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20011017
Manifest ID:	21394159
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0588
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000008617

Shipment Date:	19960905
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960905
Manifest ID:	96278459
Trans EPA ID:	CAD981694664
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000113451
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000008617

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Shipment Date:	20111229
Creation Date:	5/25/2012 20:30:23
Receipt Date:	20120105
Manifest ID:	002955766SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111229
Creation Date:	5/25/2012 20:30:23
Receipt Date:	20120109
Manifest ID:	002955765SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111229
Creation Date:	5/25/2012 20:30:23
Receipt Date:	20120105
Manifest ID:	002955766SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111229
Creation Date:	5/25/2012 20:30:23
Receipt Date:	20120109
Manifest ID:	002955765SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111229
Creation Date:	5/25/2012 20:30:23
Receipt Date:	20120109
Manifest ID:	002955765SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	4/26/2012 20:30:19
Receipt Date:	20120102
Manifest ID:	002955679SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.155
Waste Quantity:	310
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	4/26/2012 20:30:19
Receipt Date:	20120102
Manifest ID:	002955679SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	4/26/2012 20:30:19
Receipt Date:	20120102
Manifest ID:	002955679SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	4/26/2012 20:30:19
Receipt Date:	20111229
Manifest ID:	002955711SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	4/26/2012 20:30:19
Receipt Date:	20111229
Manifest ID:	002955711SKS
Trans EPA ID:	TXR000050930

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000008617
Shipment Date:	20020710
Creation Date:	1/21/2003 18:31:48
Receipt Date:	20020713
Manifest ID:	21864312
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000008617
Shipment Date:	20141211
Creation Date:	3/6/2015 22:15:05
Receipt Date:	20141223
Manifest ID:	004388323SKS

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141031
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141113
Manifest ID:	004503715SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141031
Creation Date:	5/27/2015 22:15:25
Receipt Date:	20141113
Manifest ID:	004503714SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MOR000501973
Trans 2 Name:	R & R TRUCKING
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140430
Creation Date:	11/11/2014 22:15:05
Receipt Date:	20140515
Manifest ID:	000586835WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000512343
Trans 2 Name:	SRE TRANSPORT
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140428
Creation Date:	7/12/2014 22:15:17
Receipt Date:	20140514
Manifest ID:	004274298SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140408
Creation Date:	9/6/2014 22:15:06
Receipt Date:	20140423
Manifest ID:	004161379SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000008617
Shipment Date:	20130827
Creation Date:	11/4/2013 22:15:04
Receipt Date:	20130909
Manifest ID:	003815300SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S113024599**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130827
Creation Date:	1/6/2014 22:15:06
Receipt Date:	20130903
Manifest ID:	003815301SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130121
Creation Date:	6/28/2013 22:15:05
Receipt Date:	20130222
Manifest ID:	000489311WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	IND093219012
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D011
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	D007
Additional Code 3:	D002
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CALIFORNIA DAIRIES INC
Address:	11709 E ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000

CALIFORNIA DAIRIES INC (Continued) **S113024599**

EPA ID: CAL000008617
Inactive Date: Not reported
Create Date: 11/14/1989
Last Act Date: 07/07/2020
Mailing Name: Not reported
Mailing Address: 2000 N PLAZA DR
Mailing Address 2: Not reported
Mailing City,State,Zip: VISALIA, CA 932919358
Owner Name: CALIFORNIA DAIRIES, INC.
Owner Address: 2000 N PLAZA DR
Owner Address 2: Not reported
Owner City,State,Zip: VISALIA, CA 932919358
Contact Name: DANA HORNE
Contact Address: PO BOX 11865
Contact Address 2: Not reported
City,State,Zip: FRESNO, CA 937751865

NAICS:
EPA ID: CAL000008617
Create Date: 2006-11-27 18:30:15.000
NAICS Code: 311514
NAICS Description: Dry, Condensed, and Evaporated Dairy Product Manufacturing
Issued EPA ID Date: 1989-11-14 00:00:00
Inactive Date: Not reported
Facility Name: CALIFORNIA DAIRIES INC
Facility Address: 11709 E ARTESIA BLVD
Facility Address 2: Not reported
Facility City: ARTESIA
Facility County: Not reported
Facility State: CA
Facility Zip: 907010000

A8 Target Property **CALIFORNIA DAIRIES, INC**
11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

TRIS 1004439059
FINDS 90701CLFRN11709
ECHO

Site 8 of 25 in cluster A

Actual: 64 ft.

Facility, Chemical, Releases and Other Waste Management Summary Information:
TRI ID: 90701CLFRN11709
Form Type: Form R
Reporting year: 2018
Trade secret indicator: NO
Sanitized indicator: NO
Title of certifying official: COMPLIANCE MANAGER DANA HORNE
Certifying officials signature indicator: ELECTRONIC
Date signed: 2019-06-12
Name: CALIFORNIA DAIRIES INC ARTESIA
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
BIA code: Not reported
Tribe name: Not reported
Mailing name: CALIFORNIA DAIRIES INC ARTESIA
Mailing street: PO BOX 6210
Mailing province: Not reported
Mailing City,State,Zip: ARTESIA, CA 90702
Entire facility ind: YES

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Partial facility ind:		NO
Federal facility ind:		NO
Goco facility ind:		NO
Assigned fed facility flag:		NO
Public contact name:		DANA HORNE
Public contact phone and Ext:		5592335154 119
Public contact email:		DHORNE@CALIFORNIADAIRIES.COM
Primary sic code:		Not reported
Sic code 2:		Not reported
Sic code 3:		Not reported
Sic code 4:		Not reported
Sic code 5:		Not reported
Sic code 6:		Not reported
Naics origin:		Not reported
Primary naics code:		311514
Naics code 2:		Not reported
Naics code 3:		Not reported
Naics code 4:		Not reported
Naics code 5:		Not reported
Naics code 6:		Not reported
Latitude:		33.87308
Longitude:		-118.08475
D and B number A:		Not reported
D and B number B:		Not reported
RCRA number A:		CAL000008617
RCRA number B:		Not reported
RCRA number C:		Not reported
RCRA number D:		Not reported
RCRA number E:		Not reported
RCRA number F:		Not reported
RCRA number G:		Not reported
RCRA number H:		Not reported
NPDES number A:		Not reported
NPDES number B:		Not reported
NPDES number C:		Not reported
NPDES number D:		Not reported
NPDES number E:		Not reported
NPDES number F:		Not reported
NPDES number G:		Not reported
Parent company name:		CALIFORNIA DAIRIES INC
Parent company D and B number:		009868035
Standardized parent company name:		CALIFORNIA DAIRIES INC
Document control number:		1318216862870
TRI ID:		90701CLFRN11709
Cas number:		007697372
Chemical name:	NITRIC ACID	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		03
Fugitive air emissions - total release pounds:		NA
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		0
Fugitive air emissions - basis of estimate:		Not reported
Stack air emissions - release pounds:		NA

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Stack air emissions - release range code:	Not reported
Total stack air emissions:	0
Stack air emissions - basis of estimate:	Not reported
Total air emissions:	0
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Total on-site land releases:	0
Total on-site releases:	0
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	120255
Total on-site waste management:	120255
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

On-site recycling processes method 7:		Not reported
FRS Facility ID:		110002424902
Elemental Metal Included:		NO
Waste Rock Pile managed Indicator:		0
Waste Rock Quantity:		Not reported
Off Site - POTW Releases 81C:		0
Off Site - POTW Releases 81D:		0
Chemical Activities and Uses:		
Cas number:		007697372
Document control number:		1318216862870
Chemical name:	NITRIC ACID	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		No
Import the chemical:		No
On-site use of the chemical:		No
Sale or distribution of the chemical:		No
As a byproduct:		No
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		No
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No
Z299 other:		No

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	CALIFORNIA DAIRIES INC ARTESIA
Submitted Street:	11709 ARTESIA BLVD
Submitted City:	ARTESIA
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90701
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	CALIFORNIA DAIRIES INC
Submitted Parent Company DB Number:	009868035
Submitted Standardized Parent Company Name:	CALIFORNIA DAIRIES INC
Submitted Primary NAICS Code:	311514
Submitted Industry Code:	311
Submitted Industry Name:	Food
Industry Code:	311
Industry Name:	Food
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	2
Total number of forms submitted:	74 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	007697372
Document control number:	1318216862870
Chemical name: NITRIC ACID	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	0
Other on-site releases - current year:	0
Other on-site releases - following year:	0
Other on-site releases - 2nd-following year:	0
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	86196
Quantity treated on site current year:	120255
Quantity treated on site following year:	120255
Quantity treated on site 2nd-following year:	120255
Quantity treated off site prior year:	0
Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1.85
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:		007697372
Document control number:		1318216862870
Chemical name:	NITRIC ACID	
Classification:		TRI
Unit of measure:		Pounds
Stream 1 - waste stream code:		Wastewater (aqueous waste)
Stream 1 - trtmt method - sequence 1:		Other chemical precipitation with or without pre-treatment
Stream 1 - trtmt method - sequence 2:		Neutralization
Stream 1 - trtmt method - sequence 3:		Not reported
Stream 1 - trtmt method - sequence 4:		Not reported
Stream 1 - trtmt method - sequence 5:		Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:		007697372
Document control number:		1318216862870
Chemical name:	NITRIC ACID	
Classification:		TRI
Unit of measure:		Pounds
POTW name:		LONG BEACH WATER RECLAMATION PLANT
POTW address:		7400 E WILLOW STREET
POTW City,State,Zip:		LONG BEACH, CA 90815
POTW county:		LOS ANGELES
Quantity transferred:		0
Basis of estimate:		Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	0
Sludge to disposal - basis of estimate:	Not reported
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	0
Other or unknown disposal - basis of estimate:	Not reported
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Continuous Monitoring Data
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	0
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Off Site - POTW Releases:	0
Experimental and Est. Treatment:	0
Experimental and Est. Treatment - Basis of Est.:	Not reported

TRI ID:	90701CLFRN11709
Cas number:	N511
Chemical name:	NITRATE COMPOUNDS
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	02
Fugitive air emissions - total release pounds:	NA
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Not reported
Stack air emissions - release pounds:	NA
Stack air emissions - release range code:	Not reported
Total stack air emissions:	0
Stack air emissions - basis of estimate:	Not reported
Total air emissions:	0
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	0
Off-site - POTW releases:	11836.8
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	11836.8
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	106531.2
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	106531.2
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	106531.2
Total POTW transfer:	118368
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110002424902
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	11836.8

Chemical Activities and Uses:

Cas number:	N511
Document control number:	1318216862882
Chemical name:	NITRATE COMPOUNDS
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	CALIFORNIA DAIRIES INC ARTESIA
Submitted Street:	11709 ARTESIA BLVD
Submitted City:	ARTESIA
Submitted County:	LOS ANGELES
Submitted State:	CA

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Submitted Zip Code:	90701
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	CALIFORNIA DAIRIES INC
Submitted Parent Company DB Number:	009868035
Submitted Standardized Parent Company Name:	CALIFORNIA DAIRIES INC
Submitted Primary NAICS Code:	311514
Submitted Industry Code:	311
Submitted Industry Name:	Food
Industry Code:	311
Industry Name:	Food
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	2
Total number of forms submitted:	74 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	N511
Document control number:	1318216862882
Chemical name:	NITRATE COMPOUNDS
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	0
Other on-site releases - current year:	0
Other on-site releases - following year:	0
Other on-site releases - 2nd-following year:	0
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	8484.4
Other off-site releases - current year:	11836.8
Other off-site releases - following year:	11836.8
Other off-site releases - 2nd-following year:	11836.8
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	76359.6
Quantity treated off site current year:	106531.2
Quantity treated off site following year:	106531.2
Quantity treated off site 2nd-following year:	106531.2
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1.85
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	N511
Document control number:	1318216862882
Chemical name:	NITRATE COMPOUNDS
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	N511
Document control number:	1318216862882
Chemical name:	NITRATE COMPOUNDS
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LONG BEACH WATER RECLAMATION PLANT
POTW address:	7400 E WILLOW STREET
POTW City,State,Zip:	LONG BEACH, CA 90815
POTW county:	LOS ANGELES
Quantity transferred:	118368
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	0
Sludge to disposal - basis of estimate:	Not reported
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	11836.8
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported

CALIFORNIA DAIRIES, INC (Continued) **1004439059**

Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	106531.2
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	11836.8
Off Site - POTW Releases:	11836.8
Experimental and Est. Treatment:	106531.2
Experimental and Est. Treatment - Basis of Est.:	E1

FINDS:
Registry ID: 110002424902

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER
US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004439059
Registry ID:	110002424902
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002424902
Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BOULEVARD
City,State,Zip:	ARTESIA, CA 90701

A9
Target Property
CALIF MILK PRODUCERS
11709 ARTESIA BLVD
ARTESIA, CA 90701

LOS ANGELES CO. HMS

U002278088
N/A

Site 9 of 25 in cluster A

Actual: 64 ft.

LOS ANGELES CO. HMS:
Name: CALIF MILK PRODUCERS
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013803
Region: LA
Permit Category: T
Facility Id: 001190-001249
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 00003928T
Permit Status: Removed

A10
Target Property
CALIFORNIA MILK PRODUCTS
11709 ARTESIA BLVD E
ARTESIA, CA 90701

Site 10 of 25 in cluster A

Actual: 64 ft.

LUST
SWEEPS UST
HIST UST
CA FID UST
Cortese
EMI
ENF
HIST CORTESE
LOS ANGELES CO. HMS
WDS
CIWQS
CERS

1000853746
N/A

LUST:
Name: CALIFORNIA MILK PRODUCTS
Address: 11709 ARTESIA BLVD E
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702769
Global Id: T0603702769
Latitude: 33.874024
Longitude: -118.084467
Status: Completed - Case Closed
Status Date: 02/07/1997
Case Worker: YR
RB Case Number: I-01249
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603702769
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702769
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603702769
Action Type: Other
Date: 08/18/1987
Action: Leak Reported

Global Id: T0603702769
Action Type: Other
Date: 07/30/1987
Action: Leak Discovery

LUST:
Global Id: T0603702769
Status: Open - Case Begin Date
Status Date: 07/30/1987

Global Id: T0603702769
Status: Open - Site Assessment
Status Date: 03/18/1988

Global Id: T0603702769
Status: Completed - Case Closed
Status Date: 02/07/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-01249
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603702769
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: PIONEER BLVD
Enforcement Type: Not reported
Date Leak Discovered: 7/30/1987
Date Leak First Reported: 8/18/1987

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Date Leak Record Entered: 3/18/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 1/30/1997
Date the Case was Closed: 2/7/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 853.23182160529983342178677 4
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/18/1988
Remediation Plan Submitted: Not reported
Remediation Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CALIFORNIA MILK PRODUCTS
RP Address: 11709 EAST ARTESIA BLVD, ARTESIA, CA 90701
Program: LUST
Lat/Long: 33.873157 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SPACE PROBLEM FOR NEW LOCATION. RWQCB EXPECTED SAR 5/88. SAR DELAYED

SWEEPS UST:
Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Active
Comp Number: 1249
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-16-90
Action Date: 05-16-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000001
Tank Status: A
Capacity: 12000
Active Date: 03-15-90

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 4

Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Active
Comp Number: 1249
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-16-90
Action Date: 05-16-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Active
Comp Number: 1249
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-16-90
Action Date: 05-16-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Active
Comp Number: 1249
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-16-90
Action Date: 05-16-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000007

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Tank Status: A
Capacity: 500
Active Date: 05-16-90
Tank Use: OIL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Not reported
Comp Number: 1249
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000002
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 3

Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Not reported
Comp Number: 1249
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000003
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City: ARTESIA
Status: Not reported
Comp Number: 1249
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001249-000004
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: CALIFORNIA MILK PRODUCERS
Address: 11709 E ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
File Number: 00026989
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026989.pdf
Region: STATE
Facility ID: 00000005415
Facility Type: Other
Other Type: PRIVATE USE
Contact Name: DALE R. ENNIS
Telephone: 2138651291
Owner Name: CALIFORNIA MILK PRODUCERS
Owner Address: 11709 E. ARTESIA BLVD
Owner City,St,Zip: ARTESIA, CA 90701
Total Tanks: 0007

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1978
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Year Installed: 1978
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 7
Year Installed: 1981
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19001558
Regulated By: UTNKA
Regulated ID: 00005415
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138651291
Mail To: Not reported
Mailing Address: 11709 E ARTESIA BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: ARTESIA 90701
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Name:	CALIFORNIA MILK PRODUCTS
Address:	11709 ARTESIA BLVD E
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603702769
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	CALIFORNIA MILK PRODUCERS
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	19
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	CALIFORNIA MILK PRODUCERS
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA MILK PRODUCERS
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA MILK PRODUCERS
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA MILK PRODUCERS
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	1999
County Code:	19

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

City,State,Zip:	ARTESIA, CA 90701
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	12
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	12
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.11104
Reactive Organic Gases Tons/Yr:	0.87
Carbon Monoxide Emissions Tons/Yr:	12.35706
NOX - Oxides of Nitrogen Tons/Yr:	5.74988
SOX - Oxides of Sulphur Tons/Yr:	0.0985042
Particulate Matter Tons/Yr:	1.193805
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.18

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.67413
Reactive Organic Gases Tons/Yr:	.284617686
Carbon Monoxide Emissions Tons/Yr:	9.5756
NOX - Oxides of Nitrogen Tons/Yr:	2.93196
SOX - Oxides of Sulphur Tons/Yr:	.071885
Particulate Matter Tons/Yr:	.91032
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.906504

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.622453813358597820
Reactive Organic Gases Tons/Yr:	.685
Carbon Monoxide Emissions Tons/Yr:	10.22
NOX - Oxides of Nitrogen Tons/Yr:	4.138
SOX - Oxides of Sulphur Tons/Yr:	.072
Particulate Matter Tons/Yr:	.938
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.93685

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.622453813358597820
Reactive Organic Gases Tons/Yr:	.685
Carbon Monoxide Emissions Tons/Yr:	10.22
NOX - Oxides of Nitrogen Tons/Yr:	4.138
SOX - Oxides of Sulphur Tons/Yr:	.072

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Particulate Matter Tons/Yr: .938
Part. Matter 10 Micrometers and Smllr Tons/Yr: .93685

Name: CALIFORNIA DAIRIES, INC
Address: 11709 E ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90702
Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 22607
Air District Name: SC
SIC Code: 2026
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.147773567029843675
Reactive Organic Gases Tons/Yr: .90679
Carbon Monoxide Emissions Tons/Yr: 12.8
NOX - Oxides of Nitrogen Tons/Yr: 5.65
SOX - Oxides of Sulphur Tons/Yr: .080582
Particulate Matter Tons/Yr: 1.25728
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1.235116

Name: CALIFORNIA DAIRIES, INC
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 22607
Air District Name: SC
SIC Code: 2026
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.0040028422548501
Reactive Organic Gases Tons/Yr: 0.84609000000000001
Carbon Monoxide Emissions Tons/Yr: 12.15
NOX - Oxides of Nitrogen Tons/Yr: 4.8899999999999997
SOX - Oxides of Sulphur Tons/Yr: 7.8822000000000003E-2
Particulate Matter Tons/Yr: 1.1665300000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1.1510035000000001

Name: CALIFORNIA DAIRIES, INC
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 22607
Air District Name: SC
SIC Code: 2026
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.5256987209853099
Reactive Organic Gases Tons/Yr: 0.64415

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Carbon Monoxide Emissions Tons/Yr:	9.4691100000000006
NOX - Oxides of Nitrogen Tons/Yr:	2.988
SOX - Oxides of Sulphur Tons/Yr:	6.9409999999999999E-2
Particulate Matter Tons/Yr:	0.92906
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.90158039999999995

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.53342018
Reactive Organic Gases Tons/Yr:	0.64741
Carbon Monoxide Emissions Tons/Yr:	9.43998
NOX - Oxides of Nitrogen Tons/Yr:	3.05088
SOX - Oxides of Sulphur Tons/Yr:	0.0696
Particulate Matter Tons/Yr:	0.89314
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.8846488

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.0271435339
Reactive Organic Gases Tons/Yr:	0.85586
Carbon Monoxide Emissions Tons/Yr:	12.11504
NOX - Oxides of Nitrogen Tons/Yr:	4.53698
SOX - Oxides of Sulphur Tons/Yr:	0.09117
Particulate Matter Tons/Yr:	1.18123
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.1622231

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.9448839413
Reactive Organic Gases Tons/Yr:	0.82113
Carbon Monoxide Emissions Tons/Yr:	11.53431
NOX - Oxides of Nitrogen Tons/Yr:	0.0022
SOX - Oxides of Sulphur Tons/Yr:	0.08727
Particulate Matter Tons/Yr:	1.30207
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.1959221

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7324090909
Reactive Organic Gases Tons/Yr:	0.76226
Carbon Monoxide Emissions Tons/Yr:	10.80558
NOX - Oxides of Nitrogen Tons/Yr:	5.23848
SOX - Oxides of Sulphur Tons/Yr:	0.08117
Particulate Matter Tons/Yr:	1.05247
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.0469184

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.5981949205
Reactive Organic Gases Tons/Yr:	0.782156273
Carbon Monoxide Emissions Tons/Yr:	9.35756386
NOX - Oxides of Nitrogen Tons/Yr:	3.275471395
SOX - Oxides of Sulphur Tons/Yr:	0.06887723
Particulate Matter Tons/Yr:	0.885642656
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.882649596

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0982477273
Reactive Organic Gases Tons/Yr:	0.483229
Carbon Monoxide Emissions Tons/Yr:	7.4617
NOX - Oxides of Nitrogen Tons/Yr:	1.7363
SOX - Oxides of Sulphur Tons/Yr:	0.0402771
Particulate Matter Tons/Yr:	0.664148
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.6639656

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.95487545455
Reactive Organic Gases Tons/Yr:	0.4201452
Carbon Monoxide Emissions Tons/Yr:	6.540726
NOX - Oxides of Nitrogen Tons/Yr:	1.60268
SOX - Oxides of Sulphur Tons/Yr:	0.04001245
Particulate Matter Tons/Yr:	0.5901558
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.59015

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2023
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3017818182
Reactive Organic Gases Tons/Yr:	1.012784
Carbon Monoxide Emissions Tons/Yr:	9.896245
NOX - Oxides of Nitrogen Tons/Yr:	12.031
SOX - Oxides of Sulphur Tons/Yr:	0.0978064
Particulate Matter Tons/Yr:	1.2471344
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.246494344

Name:	CALIFORNIA DAIRIES, INC
Address:	11709 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Year:	2019
County Code:	19

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Air Basin:	SC
Facility ID:	22607
Air District Name:	SC
SIC Code:	2026
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0274347045
Reactive Organic Gases Tons/Yr:	0.45207127
Carbon Monoxide Emissions Tons/Yr:	6.36858185
NOX - Oxides of Nitrogen Tons/Yr:	2.3623493
SOX - Oxides of Sulphur Tons/Yr:	0.048097656
Particulate Matter Tons/Yr:	2.070938425
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.320494745

ENF:

Name:	CALIFORNIA DAIRIES INC.
Address:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	216600
Agency Name:	California Dairies Inc
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.873089
Place Longitude:	-118.08448
SIC Code 1:	2023
SIC Desc 1:	Dry, Condensed, and Evaporated Dairy Products
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.22
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192454001
Reg Measure Id:	146676

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Reg Measure Type:	NPDES Permits
Region:	4
Order #:	99-136
Npdes# CA#:	CA0057371
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1000
Status:	Historical
Status Date:	11/02/2005
Effective Date:	12/09/1999
Expiration/Review Date:	12/09/2004
Termination Date:	11/02/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	377101
Region:	4
Order / Resolution Number:	SWB-2008-4-0018
Enforcement Action Type:	Expedited Payment Letter
Effective Date:	12/09/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/29/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	12/09/2008
Status:	Withdrawn
Title:	Expedited Payment Letter for California Dairies Inc
Description:	EPL SWB-2008-4-0018 issued 10/30/09 for $6,000 for a Mandatory Minimum Penalty Amount for 2 Serious Effluent Violations
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	CALIFORNIA DAIRIES INC.
Address:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	216600
Agency Name:	California Dairies Inc

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.873089
Place Longitude:	-118.08448
SIC Code 1:	2023
SIC Desc 1:	Dry, Condensed, and Evaporated Dairy Products
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.22
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192454001
Reg Measure Id:	146676
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	99-136
Npdes# CA#:	CA0057371
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1000
Status:	Historical
Status Date:	11/02/2005
Effective Date:	12/09/1999
Expiration/Review Date:	12/09/2004
Termination Date:	11/02/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	357273
Region:	4
Order / Resolution Number:	SWB-2008-4-0018
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/30/2009
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/17/2009
ACL Issuance Date:	10/30/2009
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC for California Dairies Inc
Description:	ACL SWB-2008-4-0018 issued 10/30/09 for $6,000 for a Mandatory Minimum Penalty Amount for 2 Serious Effluent Violations
Program:	NPDESWW
Latest Milestone Completion Date:	11/16/2009
# Of Programs1:	1
Total Assessment Amount:	6000
Initial Assessed Amount:	6000
Liability $ Amount:	6000
Project $ Amount:	0
Liability $ Paid:	6000
Project $ Completed:	0
Total $ Paid/Completed Amount:	6000

Name:	CALIFORNIA DAIRIES INC.
Address:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	216600
Agency Name:	California Dairies Inc
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.873089
Place Longitude:	-118.08448
SIC Code 1:	2023
SIC Desc 1:	Dry, Condensed, and Evaporated Dairy Products
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.22

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192454001
Reg Measure Id:	146676
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	99-136
Npdes# CA#:	CA0057371
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1000
Status:	Historical
Status Date:	11/02/2005
Effective Date:	12/09/1999
Expiration/Review Date:	12/09/2004
Termination Date:	11/02/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	254758
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	02/02/2005
Adoption/Issuance Date:	02/02/2005
Achieve Date:	Not reported
Termination Date:	02/02/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 2/2/05 for overdue 2Q04 DMR.
Description:	NOV sent 2/2/05 for overdue 2Q04 DMR.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	CALIFORNIA DAIRIES INC.
Address:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	216600
Agency Name:	California Dairies Inc
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.873089
Place Longitude:	-118.08448
SIC Code 1:	2023
SIC Desc 1:	Dry, Condensed, and Evaporated Dairy Products
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.22
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192454001
Reg Measure Id:	146676
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	99-136
Npdes# CA#:	CA0057371
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1000
Status:	Historical

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Status Date:	11/02/2005
Effective Date:	12/09/1999
Expiration/Review Date:	12/09/2004
Termination Date:	11/02/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	229003
Region:	4
Order / Resolution Number:	Field Notice to Comply
Enforcement Action Type:	Notice to Comply
Effective Date:	04/14/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/14/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Field Notice to Comply issued 4/14/00 for accumulation of solids in storm drain
Description:	Field Notice to Comply issued 4/14/00 for accumulation of solids in storm drain connection.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	CALIFORNIA MILK PRODUCTS
edr_fadd1:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-01249

LOS ANGELES CO. HMS:

Name:	CALIFORNIA DAIRIES INC
Address:	11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 907013803
Region:	LA
Permit Category:	I
Facility Id:	001190-I01249

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 00003087J
Permit Status: Removed

Name: CALIFORNIA DAIRIES INC
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013803
Region: LA
Permit Category: I
Facility Id: 001190-I01249
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000003088
Permit Status: Removed

Name: CALIFORNIA DAIRIES INC
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013803
Region: LA
Permit Category: I
Facility Id: 001190-I01249
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000005124
Permit Status: Permit

Name: CALIFORNIA DAIRIES INC
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013803
Region: LA
Permit Category: I
Facility Id: 001190-I01249
Facility Type: 09
Facility Status: Permit
Area: 1D
Permit Number: 00021014J
Permit Status: Permit

Name: CALIFORNIA DAIRIES INC
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013803
Region: LA
Permit Category: S
Facility Id: 001190-047286
Facility Type: S6
Facility Status: Closed
Area: 1D
Permit Number: CGI001433
Permit Status: Closed

WDS:
Name: CALIFORNIA DAIRIES INC.
Address: 11709 E Artesia Blvd

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

City:	ARTESIA
Facility ID:	Los Angeles River 192454001
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0057371 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	5628651291
Facility Contact:	Randy Ellis
Agency Name:	CALIFORNIA DAIRIES INC.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	2023
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	MISCEL
Waste Type2:	D
Waste2:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Secondary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CALIFORNIA DAIRIES INC.

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Address:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Agency:	California Dairies Inc
Agency Address:	11709 Artesia Blvd, Artesia, CA 90701
Place/Project Type:	Food Processor
SIC/NAICS:	2023
Region:	4
Program:	NPDESWW
Regulatory Measure Status:	Historical
Regulatory Measure Type:	NPDES Permit
Order Number:	R4-2005-0070
WDID:	4B192454001
NPDES Number:	CA0057371
Adoption Date:	11/03/2005
Effective Date:	12/05/2005
Termination Date:	05/06/2009
Expiration/Review Date:	11/03/2010
Design Flow:	0.22
Major/Minor:	Minor
Complexity:	C
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.873089
Longitude:	-118.08448

CERS:

Name:	CALIFORNIA MILK PRODUCTS
Address:	11709 ARTESIA BLVD E
City,State,Zip:	ARTESIA, CA 90701
Site ID:	202183
CERS ID:	T0603702769
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Name:	CALIFORNIA DAIRIES INC

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Address: 11709 ARTESIA BOULEVARD
City,State,Zip: ARTESIA, CA 90701-3803
Site ID: 456887
CERS ID: 110002424902
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Tom Williams
Entity Title: Not reported
Affiliation Address: POBOX 11865
Affiliation City: FRESNO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: RICO HINOJOSA EXT 205
Entity Title: PLANT MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: SY D LE
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 2000 N PLAZA DRIVE
Affiliation City: VISALIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: CA DAIRIES
Entity Title: OWNER
Affiliation Address: POBOX 6210
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: CA DAIRIES
Entity Title: Not reported
Affiliation Address: POBOX 6210
Affiliation City: ARTESIA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Public Contact

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Entity Name: Tom Williams
Entity Title: Not reported
Affiliation Address: POBOX 6210
Affiliation City: ARTESIA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: BOB WHEELER
Entity Title: FACILITIES SUPERINTENDANT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Thomas Williams
Entity Title: Director of Environmental Compliance
Affiliation Address: POBOX 6210
Affiliation City: ARTESIA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: SY LE
Entity Title: OPERATOR
Affiliation Address: 2000 N PLAZA DR
Affiliation City: VISALIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CALIFORNIA DAIRIES INC ARTESIA
Address: 11709 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 101878
CERS ID: 90701CLFRN11709
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Public Contact
Entity Name: DANA HORNE
Entity Title: Not reported
Affiliation Address: PO BOX 6210
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: 5592335154

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Affiliation Type Desc:	Technical Contact
Entity Name:	DANA HORNE
Entity Title:	Not reported
Affiliation Address:	PO BOX 6210
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	5592335154

Affiliation Type Desc:	Company Official
Entity Name:	Dana Horne
Entity Title:	Compliance Manager
Affiliation Address:	PO BOX 6210
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Company
Entity Name:	California Dairies Inc
Entity Title:	Not reported
Affiliation Address:	PO BOX 6210
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Name:	CALIFORNIA DAIRIES INC.
Address:	11709 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Site ID:	349076
CERS ID:	216600
CERS Description:	NPDES Wastewater and Stormwater

Violations:

Site ID:	349076
Site Name:	California Dairies Inc.
Violation Date:	01-25-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Effluent violation (1/25/00): BOD.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS

Site ID:	349076
Site Name:	California Dairies Inc.
Violation Date:	05-22-2002
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Deficient 4Q01 DMR. FTS daily flow results and one time annual sampling results of priority pollutants.
Violation Division:	Water Boards
Violation Program:	NPDESWW

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 06-02-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1Q04 effluent violation (1/23/04): BOD monthly average (35.6 / 20 mg/L).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 04-22-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1Q05 DMR: Temperature not reported monthly. pH, Oil and Grease, Settleable Solids, Total suspended solids, turbidity residual chlorine, BOD not reported quarterly.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 07-21-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2Q03 effluent violation (4/30/03): Oil & grease monthly average.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 11-24-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3Q03 effluent violation (9/8/03): BOD.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 07-21-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2Q03 DMR: Temperature not reported monthly for May & June.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Violation Date: 06-02-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 1Q04 DMR: TWF not reported.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 05-22-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2001 Annual DMR. FTS annual acute toxicity results.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 06-20-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 4Q03 DMR: TWF not reported daily.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 01-24-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2002 Annual DMR. FTS annual acute toxicity results.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 04-14-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 4/14/00 Inspection: Accumulation of solids in storm drain connection.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 03-24-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2Q04 DMR >30 days late.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 02-25-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 4Q04 effluent violation (12/7/04): pH minimum (5.68 / 6.0).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 02-25-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2004 annual report: Acute toxicity not reported annually.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 06-02-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1Q04 effluent violation (1/23/04): BOD daily max (35.6 / 30 mg/L).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 08-07-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2 Q 06 effluent viol (6/2/06): residual chlorine daily 0.2/0.1 mg/L
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 06-20-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 4Q03 DMR: Toxicity not reported annually.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Violation Date: 03-24-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2Q04 effluent violation (4/19/04): pH 5.79 / 6.0 minimum.
Violation Division: Water Boards

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Violation Program: NPDESWW
Violation Source: CIWQS

Enforcement Action:
Site ID: 349076
Site Name: California Dairies Inc.
Site Address: 11709 ARTESIA
Site City: ARTESIA
Site Zip: 90701
Enf Action Date: 02-02-2005
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Site Address: 11709 ARTESIA
Site City: ARTESIA
Site Zip: 90701
Enf Action Date: 04-14-2000
Enf Action Type: Notice to Comply (Minor Violations)
Enf Action Description: Notice to Comply for Minor Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Site Address: 11709 ARTESIA
Site City: ARTESIA
Site Zip: 90701
Enf Action Date: 10-30-2009
Enf Action Type: Administrative Enforcement with Penality
Enf Action Description: Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS

Site ID: 349076
Site Name: California Dairies Inc.
Site Address: 11709 ARTESIA
Site City: ARTESIA
Site Zip: 90701
Enf Action Date: 12-09-2008
Enf Action Type: Expedited Payment Letter
Enf Action Description: Expedited Payment Letter where the Discharger Acknowledges Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS

CALIFORNIA MILK PRODUCTS (Continued) **1000853746**

Coordinates:
Site ID: 349076
Facility Name: California Dairies Inc.
Env Int Type Code: CIWQS_NPDE
Program ID: 216600
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 33.873089
Longitude: -118.084480

A11 **CALIFORNIA MILK PRODUCERS** **RGA LUST** **S114590091**
Target **11709 ARTESIA BLVD E.** **N/A**
Property **ARTESIA, CA**

Site 11 of 25 in cluster A

Actual: **64 ft.**

RGA LUST:
Name: CALIFORNIA MILK PRODUCERS
Address: 11709 ARTESIA BLVD E.
City: ARTESIA
State: ARTESIA
1993 CALIFORNIA MILK PRODUCERS 11709 ARTESIA BLVD E.

A12 **CALIFORNIA DAIRIES INC** **RCRA NonGen / NLR** **1024785863**
Target **11709 E ARTESIA BLVD** **CAL000008617**
Property **ARTESIA, CA 90701**

Site 12 of 25 in cluster A

Actual: **64 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 19891114
Handler Name: CALIFORNIA DAIRIES INC
Handler Address: 11709 E ARTESIA BLVD
Handler City,State,Zip: ARTESIA, CA 90701-0000
EPA ID: CAL000008617
Contact Name: THOMAS WILLIAMS
Contact Address: PO BOX 11865
Contact City,State,Zip: FRESNO, CA 93775-1865
Contact Telephone: 559-233-5154
Contact Fax: 559-268-5101
Contact Email: TWILLIAMS@CALIFORNIADAIRIES.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2000 N PLAZA DR
Mailing City,State,Zip: VISALIA, CA 93291-9358
Owner Name: CALIFORNIA DAIRIES, INC.
Owner Type: Other

CALIFORNIA DAIRIES INC (Continued) **1024785863**

Operator Name:	THOMAS WILLIAMS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CALIFORNIA DAIRIES INC (Continued) **1024785863**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THOMAS WILLIAMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 11865
Owner/Operator City,State,Zip:	FRESNO, CA 93775-1865
Owner/Operator Telephone:	559-233-5154
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CALIFORNIA DAIRIES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2000 N PLAZA DR
Owner/Operator City,State,Zip:	VISALIA, CA 93291-9358
Owner/Operator Telephone:	559-625-2200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19891114
Handler Name: CALIFORNIA DAIRIES INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	311514
NAICS Description:	DRY, CONDENSED, AND EVAPORATED DAIRY PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A13 **CALIFORNIA DAIRIES, INC.** **ICIS** **1018289183**
Target **11709 EAST ARTESIA BLVD.** **N/A**
Property **ARTESIA, CA 90701**

Site 13 of 25 in cluster A

Actual: **64 ft.**

ICIS:

Enforcement Action ID:	CA-N00001496
FRS ID:	110002424902
Action Name:	CALIFORNIA DAIRIES, INC. (Permit CA0057371) Viol. Notice To Regultd Entity
Facility Name:	CALIFORNIA DAIRIES, INC.
Facility Address:	11709 EAST ARTESIA BLVD. ARTESIA, CA 90701
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2023
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.872917
Longitude in Decimal Degrees:	-118.083139
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0057371
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CA-N00001495
FRS ID:	110002424902
Action Name:	CALIFORNIA DAIRIES, INC. (Permit CA0057371) Viol. Notice To Regultd Entity
Facility Name:	CALIFORNIA DAIRIES, INC.
Facility Address:	11709 EAST ARTESIA BLVD. ARTESIA, CA 90701
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2023
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.872917
Longitude in Decimal Degrees:	-118.083139
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0057371
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CA-2010-1164
FRS ID:	110002424902
Action Name:	California Dairies, Artesia - MMP
Facility Name:	CALIFORNIA DAIRIES, INC.
Facility Address:	11709 EAST ARTESIA BLVD. ARTESIA, CA 90701
Enforcement Action Type:	State CWA Penalty AO
Facility County:	LOS ANGELES
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal

CALIFORNIA DAIRIES, INC. (Continued) **1018289183**

EA Type Code:	SCWAAPO
Facility SIC Code:	2023
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.872917
Longitude in Decimal Degrees:	-118.083139
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0057371
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	CA-200018590
FRS ID:	110002424902
Action Name:	California Dairies Inc. - Expedited Payment Letter
Facility Name:	CALIFORNIA DAIRIES, INC.
Facility Address:	11709 EAST ARTESIA BLVD. ARTESIA, CA 90701
Enforcement Action Type:	Letter to Regulated Entity
Facility County:	LOS ANGELES
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LRE
Facility SIC Code:	2023
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.872917
Longitude in Decimal Degrees:	-118.083139
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0057371
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

A14 **1X CALIFORNIA MILK PRODUCERS** **HAZNET** **S123702371**
Target **11709 E ARTESIA BLVD** **HWTS** **N/A**
Property **ARTESIA, CA 90701**

Site 14 of 25 in cluster A

Actual: **64 ft.**

HAZNET:

Name:	1X CALIFORNIA MILK PRODUCERS
Address:	11709 E ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
Contact:	SCOTT PICKLE
Telephone:	2138651291
Mailing Name:	Not reported
Mailing Address:	11709 E ARTESIA BLVD
Year:	1987
Gepaid:	CAC000015909
TSD EPA ID:	CAD028409019
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	R01 - Recycler
Tons:	4.587

HWTS:

Name:	1X CALIFORNIA MILK PRODUCERS

1X CALIFORNIA MILK PRODUCERS (Continued) **S123702371**

Address:	11709 E ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAC000015909
Inactive Date:	10/25/2000
Create Date:	06/05/1987
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	11709 E ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 917010000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	SCOTT PICKLE
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

A15 **CALIFORNIA DAIRIES INC** **CIWQS** **S120026681**
Target **PO BOX 6210 11709 ARTESIA BLVD** **N/A**
Property **ARTESIA, CA 90702**

Site 15 of 25 in cluster A

Actual:
64 ft.

CIWQS:

Name:	CALIFORNIA DAIRIES INC
Address:	PO BOX 6210 11709 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90702
Agency:	California Dairies Inc
Agency Address:	2000 N Plaza Drive, Visalia, CA 93291
Place/Project Type:	Industrial - Fluid Milk
SIC/NAICS:	2026(+)
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001433
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/27/1992
Termination Date:	02/17/2021
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.87403
Longitude:	-118.08447

A16 **CALIFORNIA DAIRIES INC** **NPDES S117542517**
PO BOX 6210 **CERS N/A**
< 1/8 **ARTESIA, CA 90702**
1 ft.

Site 16 of 25 in cluster A

Relative: Higher

Actual: 64 ft.

NPDES:

Name:	CALIFORNIA DAIRIES INC
Address:	PO BOX 6210
City,State,Zip:	ARTESIA, CA 90702
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188805
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I001433
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/27/1992
Termination Date Of Regulatory Measure:	02/17/2021
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2000 N Plaza Drive
Discharge Name:	California Dairies Inc
Discharge City:	Visalia
Discharge State:	California
Discharge Zip:	93291
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188805
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I001433
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/27/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	California Dairies Inc
Discharge Address:	2000 N Plaza Drive
Discharge City:	Visalia
Discharge State:	California
Discharge Zip:	93291
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Region:	4
Regulatory Measure ID:	188805
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001433
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/27/1992
Status:	Active
Status Date:	03/27/1992
Place Size:	4
Place Size Unit:	Acres
Contact:	Malene Hay
Contact Title:	Quality Assurance Manager
Contact Phone:	562-865-1291
Contact Phone Ext:	204
Contact Email:	mhay@californiadairies.com
Operator Name:	California Dairies Inc
Operator Address:	2000 N Plaza Drive
Operator City:	Visalia
Operator State:	California
Operator Zip:	93291
Operator Contact:	Thomas Williams
Operator Contact Title:	Director Environmental Compliance
Operator Contact Phone:	559-233-5154
Operator Contact Phone Ext:	119
Operator Contact Email:	twilliams@californiadairies.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-865-1291
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Coyotes Creek
Certifier:	Thomas Williams
Certifier Title:	Director of Environmental Compliance
Certification Date:	23-JAN-15
Primary Sic:	2026-Fluid Milk
Secondary Sic:	2023-Dry, Condensed, and Evaporated Dairy Products
Tertiary Sic:	4212-Local Trucking Without Storage

Name:	CALIFORNIA DAIRIES INC
Address:	PO BOX 6210
City,State,Zip:	ARTESIA, CA 90702
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I001433
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	03/29/2021
Operator Name:	California Dairies Inc
Operator Address:	2000 N Plaza Drive
Operator City:	Visalia
Operator State:	California
Operator Zip:	93291

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188805
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I001433
Program Type:	Industrial

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/27/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	California Dairies Inc
Discharge Address:	2000 N Plaza Drive
Discharge City:	Visalia
Discharge State:	California
Discharge Zip:	93291
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188805
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001433
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/27/1992
Status:	Active
Status Date:	03/27/1992
Place Size:	4
Place Size Unit:	Acres
Contact:	Malene Hay
Contact Title:	Quality Assurance Manager
Contact Phone:	562-865-1291
Contact Phone Ext:	204
Contact Email:	mhay@californiadairies.com
Operator Name:	California Dairies Inc
Operator Address:	2000 N Plaza Drive
Operator City:	Visalia
Operator State:	California
Operator Zip:	93291
Operator Contact:	Thomas Williams
Operator Contact Title:	Director Environmental Compliance
Operator Contact Phone:	559-233-5154
Operator Contact Phone Ext:	119
Operator Contact Email:	twilliams@californiadairies.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-865-1291
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Coyotes Creek
Certifier:	Thomas Williams
Certifier Title:	Director of Environmental Compliance
Certification Date:	23-JAN-15
Primary Sic:	2026-Fluid Milk
Secondary Sic:	2023-Dry, Condensed, and Evaporated Dairy Products
Tertiary Sic:	4212-Local Trucking Without Storage

CERS:

Name:	CALIFORNIA DAIRIES INC
Address:	PO BOX 6210
City,State,Zip:	ARTESIA, CA 90702
Site ID:	528327
CERS ID:	212688
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	528327
Site Name:	California Dairies Inc
Violation Date:	11-26-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	200 mg/L of TSS and 241 -+mhos/cm of SC were detected at the sample location, Site A, on 11/26/2008.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Site ID:	528327
Site Name:	California Dairies Inc
Violation Date:	07-02-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Non-submittal of Annual Report. Due 7//1/1999
Violation Division:	Water Boards
Violation Program:	INDSTW

CALIFORNIA DAIRIES INC (Continued) **S117542517**

Violation Source: SMARTS

Enforcement Action:
Site ID: 528327
Site Name: California Dairies Inc
Site Address: PO BOX 6210
Site City: ARTESIA
Site Zip: 90702
Enf Action Date: 06-29-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: California Dairies Inc
Entity Title: Operator
Affiliation Address: 2000 N Plaza Drive
Affiliation City: Visalia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93291
Affiliation Phone: Not reported

A17 **O'BRIEN CAL COGEN LTD** **UST U003984197**
SW **17306 FLALLON AVE** **SWEEPS UST N/A**
< 1/8 **ARTESIA, CA 90701**
0.001 mi.
7 ft. **Site 17 of 25 in cluster A**

Relative:
Lower

Actual:
63 ft.

UST:
Name: O'BRIEN CAL COGEN LTD
Address: 17306 FLALLON AVE
City,State,Zip: ARTESIA, CA 90701
Facility ID: 8768
Permitting Agency: LOS ANGELES COUNTY
CERSID: Not reported
Latitude: 33.87375
Longitude: -118.08493

SWEEPS UST:
Name: O'BRIEN CAL COGEN LTD
Address: 17306 FLALLON AVE
City: ARTESIA
Status: Active
Comp Number: 8768
Number: 9
Board Of Equalization: 44-008265

O'BRIEN CAL COGEN LTD (Continued) **U003984197**

Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-008768-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	2
Name:	O'BRIEN CAL COGEN LTD
Address:	17306 FLALLON AVE
City:	ARTESIA
Status:	Active
Comp Number:	8768
Number:	9
Board Of Equalization:	44-008265
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-008768-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

B18 **PRO TECH KNIVES LLC** **RCRA NonGen / NLR** **1024842940**
North **17115 ALBURTIS AVE** **CAL000393864**
< 1/8 **ARTESIA, CA 90701**
0.010 mi.
51 ft. **Site 1 of 7 in cluster B**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		20140204
63 ft. Handler Name:	PRO TECH KNIVES LLC	
Handler Address:		17115 ALBURTIS AVE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000393864
Contact Name:		DAVE WATTENBERG
Contact Address:		17115 ALBURTIS AVE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-860-0678
Contact Fax:		562-860-8510
Contact Email:		DAVE@PROTECHKNIVES.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

PRO TECH KNIVES LLC (Continued) **1024842940**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17115 ALBURTIS AVE
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	DAVE WATTENBERG
Owner Type:	Other
Operator Name:	DAVE WATTENBERG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906

PRO TECH KNIVES LLC (Continued) **1024842940**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAVE WATTENBERG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17115 ALBURTIS AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-833-5643
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAVE WATTENBERG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17115 ALBURTIS AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-860-0678
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140204
Handler Name: PRO TECH KNIVES LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

PRO TECH KNIVES LLC (Continued) **1024842940**

Evaluation Action Summary:
Evaluations: No Evaluations Found

A19 **SOCAL DIESEL REPAIR LLC** **RCRA NonGen / NLR** **1026721920**
ENE **17224 ALBURTIS AVE** **CAL000458959**
< 1/8 **ARTESIA, CA 90701**
0.016 mi.
82 ft. **Site 18 of 25 in cluster A**

Relative:
Higher

Actual:
64 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20201223
Handler Name:	SOCAL DIESEL REPAIR LLC
Handler Address:	17224 ALBURTIS AVE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000458959
Contact Name:	SALVADOR COBARRUBIA
Contact Address:	17224 ALBURTIS AVE
Contact City,State,Zip:	ARTESIA, CA 90701
Contact Telephone:	562-712-2145
Contact Fax:	Not reported
Contact Email:	SAL@SOCALDIESEL-REPAIR.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17224 ALBURTIS AVE
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	SOCAL DIESEL REPAIR LLC
Owner Type:	Other
Operator Name:	SALVADOR COBARRUBIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

SOCAL DIESEL REPAIR LLC (Continued) **1026721920**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SALVADOR COBARRUBIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17224 ALBURTIS AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-712-2145
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOCAL DIESEL REPAIR LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6018 1/2 BUELL ST

SOCAL DIESEL REPAIR LLC (Continued) **1026721920**

Owner/Operator City,State,Zip: BELL GARDENS, CA 90201
Owner/Operator Telephone: 562-712-2145
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201223
Handler Name: SOCAL DIESEL REPAIR LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A20 **JMC TRUCK REPAIR** **CERS HAZ WASTE** **S103972214**
ENE **17224 ALBURTIS ST** **EMI** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS**
0.016 mi.
82 ft. **Site 19 of 25 in cluster A**

Relative: Higher
Actual: 64 ft.

CERS HAZ WASTE:
Name: SOCAL DIESEL REPAIR, LLC
Address: 17224 ALBURTIS ST
City,State,Zip: ARTESIA, CA 90701
Site ID: 437836
CERS ID: 10279633
CERS Description: Hazardous Waste Generator

EMI:
Name: JMC TRUCK REPAIR
Address: 17224 ALBURTIS ST
City,State,Zip: ARTESIA, CA 907010000
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 90544
Air District Name: SC
SIC Code: 7532

JMC TRUCK REPAIR (Continued) **S103972214**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	JMC TRUCK REPAIR
Address:	17224 ALBURTIS ST
City,State,Zip:	ARTESIA, CA 907010000
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	90544
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	JMC TRUCK REPAIR
Address:	17224 ALBURTIS ST
City,State,Zip:	ARTESIA, CA 907010000
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	90544
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.599435
Reactive Organic Gases Tons/Yr:	1.06
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	JMC TRUCK REPAIR
Address:	17224 ALBURTIS ST
City,State,Zip:	ARTESIA, CA 907010000
Year:	2006
County Code:	19
Air Basin:	SC

JMC TRUCK REPAIR (Continued) **S103972214**

Facility ID:	90544
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.1579107197084725174
Reactive Organic Gases Tons/Yr:	.156
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	JMC TRUCK REPAIR
Address:	17224 ALBURTIS ST
City,State,Zip:	ARTESIA, CA 907010000
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	90544
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.1579107197084725174
Reactive Organic Gases Tons/Yr:	.156
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	SOCAL DIESEL REPAIR, LLC
Address:	17224 ALBURTIS ST
City,State,Zip:	ARTESIA, CA 90701
Site ID:	437836
CERS ID:	10279633
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	12-11-2020
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 12/23/2020. OBSERVATION: Current owner generates used motor oil, waste antifreeze, used oil and fuel filters in the facility and does not have an Environmental Protection Agency (EPA) Identification (ID) noted in the DTSC database. DTSC Form 1358 provided and emailed to owner/operator. CORRECTIVE ACTION: A hazardous waste generator shall not treat, store, dispose of, transport or offer

JMC TRUCK REPAIR (Continued) **S103972214**

for transportation, hazardous waste without an active EPA ID number. Submit the Certification of Compliance, attached to this report, and/or any supporting documentation/photo to CUPA by compliance date.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 03-26-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/30/2019. Observed a 30 gallon drum containing waste paint solvent with a blank hazardous waste label. CORRECTIVE ACTION: All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Fill in the required information on the label and affix to the drum. Provide photo to CUPA via email.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 05-12-2014
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes: Returned to compliance on 07/12/2014. OBSERVATION: 4x55 gallon drums. Facilities who generate less than 1000 kg of hazardous waste per month and do not exceed 6000 kg of waste stored on site at any time may store waste on site up to 180 days. CORRECTIVE ACTION: Immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA by 06/20/2014.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 08-26-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

JMC TRUCK REPAIR (Continued) **S103972214**

Violation Notes:	Returned to compliance on 08/26/2015. OBSERVATION: Observed one 30-gallon paint waste drum with incorrect facility address on the label. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information. Operator put a new label on the drum at the time of inspection.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	05-12-2014
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 07/12/2014. OBSERVATION: Copies of hazardous waste disposal records for 3 were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by 06/20/2014.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	05-12-2014
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 07/12/2014. OBSERVATION: Owner/Operator failed to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1. CORRECTIVE ACTION: Owner/Operator shall submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

JMC TRUCK REPAIR (Continued) **S103972214**

Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	03-26-2019
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 12/11/2020. OBSERVATION: Observed a 30 gallon drum containing waste paint solvent without an accumulation date. Operator did not have a copy of the most current manifest at the time of inspection. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Since it cannot be determined how long the containers of waste paint solvent have been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste and submit a copy of the manifest to the CUPA by 4/25/2019.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	08-26-2015
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/25/2019. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. Observed 283 cubic feet acetylene gas. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	12-11-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste",

JMC TRUCK REPAIR (Continued) **S103972214**

	name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/06/2021. OBSERVATION: Observed the following containers missing the accumulation start date and other required markings: 250 gallon tote containing used motor oil 55 gallon drum containing waste antifreeze 55 gallon drum containing used motor oil CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Since it cannot be determined how long the containers of ---- have been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste. Submit the completed Certification of Compliance and any supporting documentation/photo to CUPA inspector.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	05-12-2014
Citation:	40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	Returned to compliance on 07/12/2014. OBSERVATION: Generator failed to accumulate hazardous waste in a container(s) that are in good condition. Portable container for waste oil not on stable surface. CORRECTIVE ACTION: Immediately transfer all hazardous wastes into containers that are in good condition or have hazardous wastes properly disposed of by a licensed hazardous waste hauler under a proper manifest.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	03-26-2019
Citation:	22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being

JMC TRUCK REPAIR (Continued) **S103972214**

refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: 2 x 55 gallon empty drum were observed next to the paint booth without labels. CORRECTIVE ACTION: Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 08-26-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/25/2019. OBSERVATION: A business plan has not been received by the CUPA. Observed 283 cubic feet acetylene gas. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 03-26-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Uniform Hazardous Waste Manifests for waste paint solvent and receipt/documentation for paint booth filter disposal was not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests/bill of lading/receipt for waste paint solvent and submit copies to the CUPA by 4/25/2019
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 12-11-2020
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

JMC TRUCK REPAIR (Continued) **S103972214**

Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/06/2021. OBSERVATION: The following were observed at the time of site visit. 1 / 250 gallon tote containing used motor oil 1 / 55 gallon drum containing waste antifreeze 1 / 55 gallon drum containing new antifreeze CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with Emergency Planning & Community Right-to-Know Act (EPCRA) on or before the annual due date. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	05-12-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 07/12/2014. OBSERVATION: 4x55 gallons dums. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information. Since it cannot be determined how long the [describe containers lacking accumulation start date] have [or has been] been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA by [06/20/14].
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	437836
Site Name:	SOCAL DIESEL REPAIR, LLC
Violation Date:	03-26-2019
Citation:	HSC 6.5 25201.16(e) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.16(e)
Violation Description:	Failure of the universal waste handler to manage universal waste aerosol cans in a manner that prevents fire, explosion, and the unauthorized release of any universal waste or component of a universal waste to the environment.
Violation Notes:	Returned to compliance on 10/01/2020. OBSERVATION: Owner/Operator failed to manage universal waste aerosol cans in a manner that prevents fire, explosion, and the unauthorized release of any universal waste or component of a universal waste to the environment. At the time of inspection, observed 3 non-empty aerosol spray cans in the shop storage area and 2 non-empty aerosol spray cans in the paint booth. Conversation with employee and operator stated they do not put the aerosol spray cans in the trash but they were not able to show

JMC TRUCK REPAIR (Continued) **S103972214**

where they store the aerosol spray cans. No non-empty aerosol spray cans observed in the trash bin at the time of inspection. CORRECTIVE ACTION: Properly manage universal waste aerosol cans in a manner that prevents fire, explosion, and the unauthorized release of any universal waste or component of a universal waste to the environment.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 12-11-2020
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 01/06/2021. OBSERVATION: A 55 gallon drum containing used/drained metal oil filters was observed without the required markings and missing the accumulation start date CORRECTIVE ACTION: Properly manage the used and drained metal oil filters. Submit via email to CUPA inspector, the Certification of Compliance along with the supporting photo demonstrating that the used/drained metal filters are being properly managed.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 437836
Site Name: SOCAL DIESEL REPAIR, LLC
Violation Date: 03-26-2019
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 10/01/2020. OBSERVATION: An owner/operator is required to establish and implement a Hazardous Materials Business Plan (HMBP) for storing hazardous materials/wastes at or above the threshold quantities of 55 gallons of liquid/500 pound of solids/200 cubic feet of gas. The following were observed at the time of inspection: 1 x 272 cf cylinder Oxygen 1 x 80 cf cylinder Argon mix CORRECTIVE ACTIONS: Establish and implement your HMBP; submit your HMBP via California Environmental Reporting System (CERS) http://cers.calepa.ca.gov/.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: KEVIN CASTRO CEO
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

JMC TRUCK REPAIR (Continued) **S103972214**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-26-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Kevin Castro, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	KEVIN CASTRO CEO
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-26-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Kevin Castro, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	SAL COBARRUBIA OWNER/TRUCK TECHNICIAN
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	06-27-2014
Violations Found:	No

JMC TRUCK REPAIR (Continued) **S103972214**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SAL COBARRUBIA OWNER/TRUCK TECHNICIAN
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Salvador Cobarrubia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: SALVADOR COBARRUBIA
Entity Title: Not reported
Affiliation Address: 17224 ALBURTIS AVE
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 17224 ALBURTIS AVE
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer

JMC TRUCK REPAIR (Continued) **S103972214**

Entity Name:	SALVADOR COBARRUBIA
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	DANIEL BERNS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	United States
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 533-5535
Affiliation Type Desc:	Parent Corporation
Entity Name:	SOCAL DIESEL REPAIR, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	SOCAL DIESEL REPAIR, LLC
Entity Title:	Not reported
Affiliation Address:	17224 ALBURTIS AVE
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(888) 506-3194
Affiliation Type Desc:	Operator
Entity Name:	SOCAL DIESEL REPAIR, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(888) 506-3194

B21
NE
< 1/8
0.016 mi.
87 ft.

CITY OF ARTESIA PUBLIC SERVICE CENTER
17202 ALBURTIS AVE
ARTESIA, CA 90701

Site 2 of 7 in cluster B

RCRA NonGen / NLR | **1026055994** | **CAL000452180**

Relative:
Higher

Actual:
64 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20200127
Handler Name:	CITY OF ARTESIA PUBLIC SERVICE CENTER
Handler Address:	17202 ALBURTIS AVE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000452180
Contact Name:	GLENN NEWBRANDER
Contact Address:	17203 CORBY AVE
Contact City,State,Zip:	ARTESIA, CA 90701
Contact Telephone:	562-755-8909
Contact Fax:	562-809-5170
Contact Email:	GNEWBRANDER@CITYOFARTESIA.US
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CLARKDALE AVE
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	CITY OF ARTESIA
Owner Type:	Other
Operator Name:	GLENN NEWBRANDER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CITY OF ARTESIA PUBLIC SERVICE CENTER (Continued) **1026055994**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GLENN NEWBRANDER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17203 CORBY AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-755-8909
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF ARTESIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18747 CLARKDALE AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-6262
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CITY OF ARTESIA PUBLIC SERVICE CENTER (Continued) **1026055994**

Historic Generators:
Receive Date: 20200127
Handler Name: CITY OF ARTESIA PUBLIC SERVICE CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 921190
NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B22 **GULF STATES INC** **EDR Hist Auto** **1021487806**
NNE **17160 ALBURTIS AVE** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.017 mi.
89 ft. **Site 3 of 7 in cluster B**

Relative: EDR Hist Auto
Lower

Actual:
63 ft.

Year:	Name:	Type:
1989	GULF STATES INC	Gasoline Service Stations
1991	GULF STATES INC	Gasoline Service Stations

B23 **ENVIRONMENTAL RENTAL SERVICES** **RCRA NonGen / NLR** **1025845928**
NNE **17160 ALBURTIS** **CAC003025551**
< 1/8 **ARTESIA, CA 90701**
0.017 mi.
89 ft. **Site 4 of 7 in cluster B**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 20190724

Actual:
63 ft.
Handler Name: ENVIRONMENTAL RENTAL SERVICES
Handler Address: 17160 ALBURTIS
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAC003025551
Contact Name: MIKE LINDSEY
Contact Address: 17160 ALBURTIS
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-924-2324
Contact Fax: Not reported

ENVIRONMENTAL RENTAL SERVICES (Continued) **1025845928**

Contact Email:	MIKE.LINDSEY@ERSVACRENT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17160 ALBURTIS
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	KEITH DEBAULT
Owner Type:	Other
Operator Name:	MIKE LINDSEY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

ENVIRONMENTAL RENTAL SERVICES (Continued) **1025845928**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIKE LINDSEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17160 ALBURTIS
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-924-2324
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KEITH DEBAULT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17160 ALBURTIS
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-924-2324
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190724
Handler Name:	ENVIRONMENTAL RENTAL SERVICES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ENVIRONMENTAL RENTAL SERVICES (Continued) **1025845928**

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B24 **ENVIRONMENTAL RENTAL SERVICES INC** **RCRA NonGen / NLR** **1025868725**
NNE **17160 ALBURTIS AVE** **CAL000381818**
< 1/8 **ARTESIA, CA 90701**
0.017 mi.
89 ft. **Site 5 of 7 in cluster B**

Relative: **Lower**
Actual: **63 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20201210
Handler Name:	ENVIRONMENTAL RENTAL SERVICES INC
Handler Address:	17160 ALBURTIS AVE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000381818
Contact Name:	RICARDO AMBRIZ
Contact Address:	2375 W ESTHER ST
Contact City,State,Zip:	LONG BEACH, CA 90813
Contact Telephone:	562-708-9324
Contact Fax:	Not reported
Contact Email:	RICARDO.AMBRIZ@ERSVACRENT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2375 W ESTHER ST
Mailing City,State,Zip:	LONG BEACH, CA 90813
Owner Name:	ENVIRONMENTAL RENTAL SERVICES INC
Owner Type:	Other
Operator Name:	ENVIRONMENTAL RENTAL SERVICES INC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

ENVIRONMENTAL RENTAL SERVICES INC (Continued) **1025868725**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201217
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ENVIRONMENTAL RENTAL SERVICES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	855 E HWY 79
Owner/Operator City,State,Zip:	ROCKDALE, TX 76567
Owner/Operator Telephone:	512-446-7011
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

ENVIRONMENTAL RENTAL SERVICES INC (Continued) **1025868725**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ENVIRONMENTAL RENTAL SERVICES INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 855 E HWY 79
Owner/Operator City,State,Zip: ROCKDALE, TX 76567
Owner/Operator Telephone: 512-446-7011
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ENVIRONMENTAL RENTAL SERVICES INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 855 E HWY 79
Owner/Operator City,State,Zip: ROCKDALE, TX 76567
Owner/Operator Telephone: 512-446-7011
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: FIDEL GUTIERREZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 17160 ALBURTIS AVENUE
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-537-7608
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201210
Handler Name: ENVIRONMENTAL RENTAL SERVICES INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20130123
Handler Name: ENVIRONMENTAL RENTAL SERVICES INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

ENVIRONMENTAL RENTAL SERVICES INC (Continued) **1025868725**

Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B25 **ENVIRONMENTAL RENTAL SERVICES** **RCRA NonGen / NLR** **1024780514**
NNE **17160 ALBURTIS AVE** **CAC003000476**
< 1/8 **CALIFORNIA CITY, CA 90701**
0.017 mi.
89 ft. **Site 6 of 7 in cluster B**

Relative:
Lower

Actual:
63 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20190211
Handler Name:	ENVIRONMENTAL RENTAL SERVICES
Handler Address:	17160 ALBURTIS AVE
Handler City,State,Zip:	CALIFORNIA CITY, CA 90701
EPA ID:	CAC003000476
Contact Name:	MIKE LINDSEY
Contact Address:	17160 ALBURTIS AVE
Contact City,State,Zip:	CALIFORNIA CITY, CA 90701
Contact Telephone:	562-537-7608
Contact Fax:	Not reported
Contact Email:	MIKE.LINDSEY@ERSVACRENT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17160 ALBURTIS AVE
Mailing City,State,Zip:	CALIFORNIA CITY, CA 90701
Owner Name:	KIETH DEBAULT
Owner Type:	Other
Operator Name:	MIKE LINDSEY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No

ENVIRONMENTAL RENTAL SERVICES (Continued) **1024780514**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIKE LINDSEY

ENVIRONMENTAL RENTAL SERVICES (Continued) **1024780514**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17160 ALBURTIS AVE
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 90701
Owner/Operator Telephone:	562-537-7608
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KIETH DEBAULT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17160 ALBURTIS AVE
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 90701
Owner/Operator Telephone:	562-537-7608
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190211
Handler Name:	ENVIRONMENTAL RENTAL SERVICES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B26 **STRONGBOX INDUSTRIES** **LUST** **S100227960**
NW **17203 FLALLON AVE** **SWEEPS UST** **N/A**
< 1/8 **ARTESIA, CA 90701** **Cortese**
0.017 mi. **HIST CORTESE**
89 ft. **Site 7 of 7 in cluster B**

Relative: Higher
Actual: 64 ft.

LUST:

Name:	STRONGBOX INDUSTRIES
Address:	17203 FLALLON AVE
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705229
Global Id:	T0603705229
Latitude:	33.874733
Longitude:	-118.085157
Status:	Completed - Case Closed
Status Date:	10/02/1990
Case Worker:	JOA
RB Case Number:	R-14475
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603705229
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603705229
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603705229
Action Type:	Other
Date:	05/11/1989
Action:	Leak Reported

Global Id:	T0603705229
Action Type:	Other
Date:	12/08/1988
Action:	Leak Discovery

LUST:

Global Id:	T0603705229

STRONGBOX INDUSTRIES (Continued) **S100227960**

Status: Open - Case Begin Date
Status Date: 12/08/1988

Global Id: T0603705229
Status: Open - Remediation
Status Date: 05/11/1989

Global Id: T0603705229
Status: Completed - Case Closed
Status Date: 10/02/1990

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-14475
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705229
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ARTESIA
Enforcement Type: Not reported
Date Leak Discovered: 12/8/1988
Date Leak First Reported: 5/11/1989
Date Leak Record Entered: 10/20/1989
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/2/1990
Date the Case was Closed: 10/2/1990
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: MILLS, STEVEN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1076.03114284205914619201960 43
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 5/11/1989
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported

STRONGBOX INDUSTRIES (Continued) **S100227960**

Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MILLS, STEVEN
RP Address:	17203 FLALLON AVE, ARTESIA, 90701
Program:	LUST
Lat/Long:	33.874887 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	OLD CASE #102089-03

SWEEPS UST:

Name:	STEVE MILLS
Address:	17203 FLALLON AVE
City:	ARTESIA
Status:	Active
Comp Number:	14475
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CORTESE:

Name:	STRONGBOX INDUSTRIES
Address:	17203 FLALLON AVE
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603705229
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported

STRONGBOX INDUSTRIES (Continued) **S100227960**

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: STRONGBOX INDUSTRIES
edr_fadd1: 17203 FLALLON
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-14475

A27 **NATIONAL READY MIXED CONCRETE** **CERS HAZ WASTE** **S106410065**
SE **11725 ARTESIA BLVD** **CERS TANKS** **N/A**
< 1/8 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.018 mi. **CIWQS**
95 ft. **Site 20 of 25 in cluster A** **CERS**

Relative:
Lower

Actual:
63 ft.

CERS HAZ WASTE:
Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 137399
CERS ID: 10267279
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 137399
CERS ID: 10267279
CERS Description: Underground Storage Tank

LOS ANGELES CO. HMS:
Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013850
Region: LA
Permit Category: S
Facility Id: 003134-027370
Facility Type: S6
Facility Status: Closed
Area: 1D
Permit Number: CGI016391
Permit Status: Closed

Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907013850
Region: LA
Permit Category: I
Facility Id: 003134-051382

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Facility Type: S4
Facility Status: Permit
Area: 1D
Permit Number: 000615864
Permit Status: Permit

CIWQS:

Name:	NATIONAL READY MIXED CONCRETE
Address:	11725 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Agency:	National Ready Mixed Concrete Company
Agency Address:	15821 Ventura Blvd Ste 475, Encino, CA 91436
Place/Project Type:	Industrial - Ready-Mixed Concrete
SIC/NAICS:	3273
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I016391
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/02/2001
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.8731
Longitude:	-118.08379

CERS:

Name:	NATIONAL READY MIXED CONCRETE
Address:	11725 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	137399
CERS ID:	10267279
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description:	Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	04-02-2019
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 04/02/2019. OBSERVATION: Accumulation of used oil was observed on the secondary containment of the used oil tank in the shop. CORRECTIVE ACTION: Submit photos/documentation to the CUPA demonstrating the spill has been properly removed and managed. Corrective actions completed
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description:	Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-20-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.

Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 09-24-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: During a compliance inspection rusted metal was observed exposed to precipitation without best management practices and tracking soil debris onto the street.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Certificate" on-site or off-site at a readily available location, if approved by the UPA.

Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2017
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-14-2017
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the CUPA.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	04-02-2019
Citation:	22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 04/02/2019. OBSERVATION: At the time of inspection, the following containers were empty: 10/55 gallon empty drums 1/30 gallon empty drum 2/250 gallons empty tote CORRECTIVE ACTION: A container which previously held hazmat/hazwaste is empty if no hazardous materials can be poured or drained when the container is held in any orientation (e.g. tilted, inverted, etc.) and no hazardous materials remains in or on the container that can feasibly be removed by approved physical methods (except rinsing) wherein the top, bottom and sidewalls of the container shall not contain any remaining adhered or crusted material resulting from buildup of successive layers of materials or a mass of solidified material. A container larger than 5 gallons in capacity which previously held hazardous materials shall be marked empty and the date it has been emptied. Empty container shall be managed within one year of being emptied CCR 66261.7 Affix the labels to the empty containers and submit the [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-14-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code,

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 11-12-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/25/2014. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan by 12/12/2014. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.Update facility inventory to include hazardous materials in quantities above 55 gallons, 500 lbs, or 200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-03-2020
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-03-2020
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2716(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(f)
Violation Description:	Failure to maintain on-site, or off-site at a readily available location if approved by the UPA, copies of Designated Operator inspection records as follows: Designated operator monthly inspection records for inspections performed before October 1, 2018 must be kept for 12 months from the month of inspection. For inspections performed on or after October 1, 2018, copies of the "Designated Underground Storage Tank Operator Visual Inspection Report" must be kept for 36 months from the month of inspection.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-14-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: NO CURRENT ALARM CONDITION ON SITE.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PAT CATLIN SHOP FOREMAN
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-08-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)03/21 DO RP NO ALM HIST 5)OLD DO FORM BEING USED 6)18&20 CTLS NOT ONSITE 7)CERS
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-03-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE>> BOTH SUMPS/ UDC/VENT BOX DRY W/ 208'S;MLLD;VR PANEL WITH ALL FUNCTIONS NORMAL
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC: UPDATE UST FACILITY INFO ON CERS: OSDO, FRCT PLUS CFO LETTER.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC: FEB 2017 MONTHLY D.O. RPRT MISSING ALARM HIST RPRT>>>F/P/UDC/ VENT BOX SUMPS DRY W/ VR208;ANN W/ VR409;MLLD;HLA
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC-CERS, RAISED VENT BOX SENSOR 4 1/2".
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PAT CATLIN SHOP FOREMAN
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2013
Violations Found: Yes
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Performed a compliance inspection on September 24, 2013, the facility is fairly clean with minor violations. The facility received a Notice to comply for metal exposed to precipitation without BMPs and tracking soil onto the street.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2001
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Facility’s SWPPP pollution prevention team information needs to be updated due to arecent death. I didn’t ovserve a problem but detention basins could potentially overflow in a storm if operators aren’t diligent. -I am going to drop off a business card on 12/21/01, at which time facility operators promised to have revised SWPPP.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Site Address:	11725 ARTESIA BLVD
Site City:	ARTESIA
Site Zip:	90701
Enf Action Date:	09-24-2013
Enf Action Type:	Notice to Comply
Enf Action Description:	Notice to Comply
Enf Action Notes:	During a compliance inspection rusted metal was observed exposed to precipitation without best management practices and tracking soil debris onto the street.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Coordinates:

Site ID:	137399
Facility Name:	NATIONAL READY MIXED CONCRETE
Env Int Type Code:	HWG
Program ID:	10267279
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.873640
Longitude:	-118.083770

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Russell H Morton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	RUSSELL H MORTON
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD, #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	NATIONAL READY MIXED CONCRETE

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	Parent Corporation
Entity Name:	NATIONAL READY MIX CONCRETE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766703
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	Operator
Entity Name:	Russell Morton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-6211
Affiliation Type Desc:	UST Tank Owner
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Russell H Morton
Entity Title:	Environ / Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 768-0050

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Identification Signer
Entity Name:	Russell H Morton
Entity Title:	Environ / Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	RANI IYER - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S. FREMONT AVE.
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Owner/Operator
Entity Name:	National Ready Mixed Concrete Company
Entity Title:	Operator
Affiliation Address:	15821 Ventura Blvd Ste 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Operator
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Affiliation Zip: 91436
Affiliation Phone: (818) 728-5200

Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 137399
CERS ID: T0603793298
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

	months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	04-02-2019
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 04/02/2019. OBSERVATION: Accumulation of used oil was observed on the secondary containment of the used oil tank in the shop. CORRECTIVE ACTION: Submit photos/documentation to the CUPA demonstrating the spill has been properly removed and managed. Corrective actions completed
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description:	Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 09-24-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: During a compliance inspection rusted metal was observed exposed to precipitation without best management practices and tracking soil debris onto the street.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-13-2018
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Returned to compliance on 03/18/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-13-2018
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 03/18/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-20-2015
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2017
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2017
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the CUPA.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 04-02-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violation Notes: Returned to compliance on 04/02/2019. OBSERVATION: At the time of inspection, the following containers were empty: 10/55 gallon empty drums 1/30 gallon empty drum 2/250 gallons empty tote CORRECTIVE ACTION: A container which previously held hazmat/hazwaste is empty if no hazardous materials can be poured or drained when the container is held in any orientation (e.g. tilted, inverted, etc.) and no hazardous materials remains in or on the container that can feasibly be removed by approved physical methods (except rinsing) wherein the top, bottom and sidewalls of the container shall not contain any remaining adhered or crusted material resulting from buildup of successive layers of materials or a mass of solidified material. A container larger than 5 gallons in capacity which previously held hazardous materials shall be marked empty and the date it has been emptied. Empty container shall be managed within one year of being emptied CCR 66261.7 Affix the labels to the empty containers and submit the [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 11-12-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/25/2014. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan by 12/12/2014. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.Update facility inventory to include hazardous materials in quantities above 55 gallons, 500 lbs, or 200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-03-2020
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Description:	Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-03-2020
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-20-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2716(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(f)
Violation Description:	Failure to maintain on-site, or off-site at a readily available location if approved by the UPA, copies of Designated Operator inspection records as follows: Designated operator monthly inspection

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

records for inspections performed before October 1, 2018 must be kept for 12 months from the month of inspection. For inspections performed on or after October 1, 2018, copies of the "Designated Underground Storage Tank Operator Visual Inspection Report" must be kept for 36 months from the month of inspection.

Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Date:	03-14-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-18-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	NO CURRENT ALARM CONDITION ON SITE.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	PAT CATLIN SHOP FOREMAN
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-08-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)03/21 DO RP NO ALM HIST 5)OLD DO FORM BEING USED 6)18&20 CTLS NOT ONSITE 7)CERS
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-03-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE>> BOTH SUMPS/ UDC/VENT BOX DRY W/ 208'S;MLLD;VR PANEL WITH ALL FUNCTIONS NORMAL
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC: UPDATE UST FACILITY INFO ON CERS: OSDO, FRCT PLUS CFO LETTER.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC: FEB 2017 MONTHLY D.O. RPRT MISSING ALARM HIST RPRT>>>F/P/UDC/ VENT BOX SUMPS DRY W/ VR208;ANN W/ VR409;MLLD;HLA
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC-CERS, RAISED VENT BOX SENSOR 4 1/2".
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	PAT CATLIN SHOP FOREMAN
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2013
Violations Found:	Yes
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Performed a compliance inspection on September 24, 2013, the facility is fairly clean with minor violations. The facility received a Notice to comply for metal exposed to precipitation without BMPs and tracking soil onto the street.
Eval Division:	Water Boards
Eval Program:	INDSTW

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2001
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Facility's SWPPP pollution prevention team information needs to be updated due to arecent death. I didn't ovserve a problem but detention basins could potentially overflow in a storm if operators aren't diligent. -I am going to drop off a business card on 12/21/01, at which time facility operators promised to have revised SWPPP.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Site Address: 11725 ARTESIA BLVD
Site City: ARTESIA
Site Zip: 90701
Enf Action Date: 09-24-2013
Enf Action Type: Notice to Comply
Enf Action Description: Notice to Comply
Enf Action Notes: During a compliance inspection rusted metal was observed exposed to precipitation without best management practices and tracking soil debris onto the street.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Coordinates:
Site ID: 137399
Facility Name: NATIONAL READY MIXED CONCRETE
Env Int Type Code: HWG
Program ID: 10267279
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.873640
Longitude: -118.083770

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Russell H Morton
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	RUSSELL H MORTON
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD, #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	NATIONAL READY MIXED CONCRETE
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	Parent Corporation
Entity Name:	NATIONAL READY MIX CONCRETE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766703
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	NATIONAL READY MIXED SERVICES

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	Operator
Entity Name:	Russell Morton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-6211
Affiliation Type Desc:	UST Tank Owner
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Russell H Morton
Entity Title:	Environ / Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 768-0050
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Identification Signer
Entity Name:	Russell H Morton
Entity Title:	Environ / Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Affiliation Type Desc: Local Agency Caseworker
Entity Name: RANI IYER - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Owner/Operator
Entity Name: National Ready Mixed Concrete Company
Entity Title: Operator
Affiliation Address: 15821 Ventura Blvd Ste 475
Affiliation City: Encino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91436
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator
Entity Name: NATIONAL READY MIXED SERVICES
Entity Title: Not reported
Affiliation Address: 15821 Ventura Blvd. Suite 475
Affiliation City: Encino
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91436
Affiliation Phone: (818) 728-5200

Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 137399
CERS ID: 244891
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-14-2016
Citation:	HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description:	Failure to report program data electronically.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-20-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	04-02-2019
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Returned to compliance on 04/02/2019. OBSERVATION: Accumulation of used oil was observed on the secondary containment of the used oil tank in the shop. CORRECTIVE ACTION: Submit photos/documentation to the CUPA demonstrating the spill has been properly removed and managed. Corrective actions completed
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 09-24-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: During a compliance inspection rusted metal was observed exposed to precipitation without best management practices and tracking soil debris onto the street.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-20-2015
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2017
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2017
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7,

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the CUPA.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 04-02-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 04/02/2019. OBSERVATION: At the time of inspection, the following containers were empty: 10/55 gallon empty drums 1/30 gallon empty drum 2/250 gallons empty tote CORRECTIVE ACTION: A container which previously held hazmat/hazwaste is empty if no hazardous materials can be poured or drained when the container is held in any orientation (e.g. tilted, inverted, etc.) and no hazardous materials remains in or on the container that can feasibly be removed by approved physical methods (except rinsing) wherein the top, bottom and sidewalls of the container shall not contain any remaining adhered or crusted material resulting from buildup of successive layers of materials or a mass of solidified material. A container larger than 5 gallons in capacity which previously held hazardous materials shall be marked empty and the date it has been emptied. Empty container shall be managed within one year of being emptied CCR 66261.7 Affix the labels to the empty containers and submit the [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/13/2018.

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-08-2021
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	11-12-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/25/2014. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan by 12/12/2014. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.Update facility inventory to include hazardous materials in quantities above 55 gallons, 500 lbs, or 200 cubic feet.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-14-2016

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the local agency or the special inspector.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-03-2020
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-14-2016
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-03-2020
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Violation Date:	03-20-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 03/13/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2716(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(f)
Violation Description: Failure to maintain on-site, or off-site at a readily available location if approved by the UPA, copies of Designated Operator inspection records as follows: Designated operator monthly inspection records for inspections performed before October 1, 2018 must be kept for 12 months from the month of inspection. For inspections performed on or after October 1, 2018, copies of the "Designated Underground Storage Tank Operator Visual Inspection Report" must be kept for 36 months from the month of inspection.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-08-2021
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23,

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 03/22/2021. 1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)MARCH 2021 DO RP MISSING ALM HISTORY 5)OLD DO FORMS 6)20&18 CTLS NOT ONSITE 6)CERS 1)REMOVE 2)TRAIN AND SUBMIT 3)ACK ALL FUTURE ALMS 4)ATTACH ALM PRINT OUT TO ALL DO RPTS 5)USE CURRENT FORM 6)OBTAIN&MAINTAIN 7)CORRECT
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-13-2018
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 03/18/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137399
Site Name: NATIONAL READY MIXED CONCRETE
Violation Date: 03-14-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes: Returned to compliance on 03/13/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: NO CURRENT ALARM CONDITION ON SITE.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PAT CATLIN SHOP FOREMAN
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Eval Date:	11-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-08-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:1)LIQ IN VENT SUMP 2)EMP TRAIN EXP 3)ALMS NOT ACK 4)03/21 DO RP NO ALM HIST 5)OLD DO FORM BEING USED 6)18&20 CTLS NOT ONSITE 7)CERS
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-03-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	MISSING CURRENT FACILITY EMPLOYEE TRAINING CERTIFICATE>> BOTH SUMPS/ UDC/VENT BOX DRY W/ 208'S;MLLD;VR PANEL WITH ALL FUNCTIONS NORMAL
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC: UPDATE UST FACILITY INFO ON CERS: OSDO, FRCT PLUS CFO LETTER.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC: FEB 2017 MONTHLY D.O. RPRT MISSING ALARM HIST RPRT>>>F/P/UDC/ VENT BOX SUMPS DRY W/ VR208;ANN W/ VR409;MLLD;HLA
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Eval Date:	03-13-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC-CERS, RAISED VENT BOX SENSOR 4 1/2".
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	PAT CATLIN SHOP FOREMAN
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2013
Violations Found:	Yes
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Performed a compliance inspection on September 24, 2013, the facility is fairly clean with minor violations. The facility received a Notice to comply for metal exposed to precipitation without BMPs and tracking soil onto the street.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2001
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Facility's SWPPP pollution prevention team information needs to be updated due to arecent death. I didn't ovserve a problem but detention basins could potentially overflow in a storm if operators aren't diligent. -I am going to drop off a business card on 12/21/01, at which time facility operators promised to have revised SWPPP.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Enforcement Action:

Site ID:	137399
Site Name:	NATIONAL READY MIXED CONCRETE
Site Address:	11725 ARTESIA BLVD
Site City:	ARTESIA
Site Zip:	90701

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Enf Action Date:	09-24-2013
Enf Action Type:	Notice to Comply
Enf Action Description:	Notice to Comply
Enf Action Notes:	During a compliance inspection rusted metal was observed exposed to precipitation without best management practices and tracking soil debris onto the street.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Coordinates:

Site ID:	137399
Facility Name:	NATIONAL READY MIXED CONCRETE
Env Int Type Code:	HWG
Program ID:	10267279
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.873640
Longitude:	-118.083770

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Russell H Morton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	RUSSELL H MORTON
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD, #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD #475
Affiliation City:	ENCINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	NATIONAL READY MIXED CONCRETE
Entity Title:	Not reported
Affiliation Address:	15821 VENTURA BLVD #475
Affiliation City:	ENCINO

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	Parent Corporation
Entity Name:	NATIONAL READY MIX CONCRETE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766703
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	Operator
Entity Name:	Russell Morton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-6211
Affiliation Type Desc:	UST Tank Owner
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Russell H Morton

NATIONAL READY MIXED CONCRETE (Continued) **S106410065**

Entity Title:	Environ / Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 768-0050
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Identification Signer
Entity Name:	Russell H Morton
Entity Title:	Environ / Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	RANI IYER - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S. FREMONT AVE.
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	National Ready Mixed Concrete Company
Entity Title:	Operator
Affiliation Address:	15821 Ventura Blvd Ste 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91436
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	NATIONAL READY MIXED SERVICES
Entity Title:	Not reported
Affiliation Address:	15821 Ventura Blvd. Suite 475
Affiliation City:	Encino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91436
Affiliation Phone:	(818) 728-5200

A28 **NATIONAL READY MIXED CONCRETE** **SWEEPS UST** **S101617886**
SE **11725 ARTESIA BLVD** **CA FID UST** **N/A**
< 1/8 **ARTESIA, CA 90701** **WDS**
0.018 mi.
95 ft. **Site 21 of 25 in cluster A**

Relative:
Lower

Actual:
63 ft.

SWEEPS UST:

Name:	UNITED READY MIX CONCRETE
Address:	11725 ARTESIA BLVD
City:	ARTESIA
Status:	Active
Comp Number:	3246
Number:	9
Board Of Equalization:	44-007701
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-003246-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

CA FID UST:

Facility ID:	19042049
Regulated By:	UTNKA
Regulated ID:	00020474
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	4988 FIRESTONE BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ARTESIA
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

WDS:

Name:	NATIONAL READY MIXED CONCRETE
Address:	11725 Artesia Blvd
City:	ARTESIA
Facility ID:	4 19I016391
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is

NATIONAL READY MIXED CONCRETE (Continued) **S101617886**

	under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	5628656211
Facility Contact:	CATLIN PAT
Agency Name:	CONCRETE HOLDING CO CA
Agency Address:	15821 Ventura Blvd Ste 475
Agency City,St,Zip:	Encino 914364778
Agency Contact:	GREEN HORACE L
Agency Telephone:	8187680050
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

A29 **NATIONAL READY MIXED CONCRETE CO** **RCRA NonGen / NLR** **1024800005**
SE **11725 E ARTESIA BLVD** **CAL000216188**
< 1/8 **ARTESIA, CA 90701**
0.018 mi.
95 ft. **Site 22 of 25 in cluster A**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:	20000119
Handler Name:	NATIONAL READY MIXED CONCRETE CO
Handler Address:	11725 E ARTESIA BLVD
Handler City,State,Zip:	ARTESIA, CA 90701-0000
EPA ID:	CAL000216188
Contact Name:	RUSS MORTON
Contact Address:	9010 NORRIS AVE.
Contact City,State,Zip:	SUN VALLEY, CA 91352
Contact Telephone:	818-768-0050
Contact Fax:	818-768-8306
Contact Email:	RMORTON@NATCEM.COM
Contact Title:	Not reported
EPA Region:	09

Actual:
63 ft.

NATIONAL READY MIXED CONCRETE CO (Continued) **1024800005**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	15821 VENTURA BLVD STE 475
Mailing City,State,Zip:	ENCINO, CA 91436-4778
Owner Name:	CONCRETE HOLDING CO OF CA INC
Owner Type:	Other
Operator Name:	RUSS MORTON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

NATIONAL READY MIXED CONCRETE CO (Continued) **1024800005**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONCRETE HOLDING CO OF CA INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	15821 VENTURA BLVD STE 475
Owner/Operator City,State,Zip:	ENCINO, CA 91436-4778
Owner/Operator Telephone:	818-728-5200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RUSS MORTON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9010 NORRIS AVE.
Owner/Operator City,State,Zip:	SUN VALLEY, CA 91352
Owner/Operator Telephone:	818-768-0050
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20000119
Handler Name:	NATIONAL READY MIXED CONCRETE CO
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32732
NAICS Description:	READY-MIX CONCRETE MANUFACTURING

NATIONAL READY MIXED CONCRETE CO (Continued) **1024800005**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A30 **NATIONAL READY MIXED CONCRETE** **UST** **U004356589**
SE **11725 ARTESIA BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.018 mi.
95 ft. **Site 23 of 25 in cluster A**

Relative:
Lower

Actual:
63 ft.

UST:
Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Facility ID: LACoFA0003414
Permitting Agency: Los Angeles County Fire Department
CERSID: 10267279
Latitude: 33.87364
Longitude: -118.08377

A31 **NATIONAL READY MIXED CONCRETE** **LUST** **U001565267**
SE **11725 ARTESIA BLVD.** **HIST UST** **N/A**
< 1/8 **ARTESIA, CA 90701** **Cortese**
0.018 mi. **LOS ANGELES CO. HMS**
95 ft. **Site 24 of 25 in cluster A** **NPDES**

Relative:
Lower

Actual:
63 ft.

LUST:
Name: NATIONAL READY MIXED CONCRETE
Address: 11725 ARTESIA BLVD.
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793298
Global Id: T0603793298
Latitude: 33.873639
Longitude: -118.083772
Status: Completed - Case Closed
Status Date: 08/09/2017
Case Worker: NB
RB Case Number: R-37820
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: 003134-037820
Potential Media Affect: Soil, Under Investigation
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

LUST:
Global Id: T0603793298
Contact Type: Local Agency Caseworker
Contact Name: RANI IYER
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

City: ALHAMBRA
Email: riyer@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603793298
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:
Global Id: T0603793298
Action Type: ENFORCEMENT
Date: 08/09/2017
Action: Closure/No Further Action Letter

Global Id: T0603793298
Action Type: Other
Date: 11/14/2002
Action: Leak Reported

Global Id: T0603793298
Action Type: RESPONSE
Date: 08/17/2009
Action: Other Report / Document

Global Id: T0603793298
Action Type: RESPONSE
Date: 12/22/2008
Action: Other Report / Document

Global Id: T0603793298
Action Type: ENFORCEMENT
Date: 11/04/2015
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603793298
Action Type: RESPONSE
Date: 01/15/2016
Action: Other Report / Document

Global Id: T0603793298
Action Type: ENFORCEMENT
Date: 09/23/2009
Action: Referral to Regional Board

Global Id: T0603793298
Action Type: ENFORCEMENT
Date: 11/30/2009
Action: Staff Letter

Global Id: T0603793298
Action Type: ENFORCEMENT
Date: 03/06/2017

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Action: Notification - Preclosure

Global Id: T0603793298
Action Type: ENFORCEMENT
Date: 05/13/2016
Action: Notice of Violation

Global Id: T0603793298
Action Type: Other
Date: 10/29/2002
Action: Leak Discovery

Global Id: T0603793298
Action Type: REMEDIATION
Date: 11/14/2002
Action: Not reported

LUST:
Global Id: T0603793298
Status: Open - Case Begin Date
Status Date: 10/29/2002

Global Id: T0603793298
Status: Open - Referred
Status Date: 09/28/2009

Global Id: T0603793298
Status: Open - Site Assessment
Status Date: 11/30/2009

Global Id: T0603793298
Status: Open - Eligible for Closure
Status Date: 06/09/2017

Global Id: T0603793298
Status: Completed - Case Closed
Status Date: 08/09/2017

HIST UST:
Name: UNITED READY MIX CONCRETE CO
Address: 11725 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
File Number: 000283F7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000283F7.pdf
Region: STATE
Facility ID: 00000020474
Facility Type: Other
Other Type: CONCRETE PLANT
Contact Name: T.S. TEDESCO
Telephone: 2138656211
Owner Name: UNITED CONCRETE COMPANIES
Owner Address: 4988 FIRESTONE BLVD.
Owner City,St,Zip: SOUTH GATE, CA 90280
Total Tanks: 0001

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CORTESE:

Name:	NATIONAL READY MIXED CONCRETE
Address:	11725 ARTESIA BLVD.
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603793298
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

LOS ANGELES CO. HMS:

Name:	UNITED READY MIX CONCRETE
Address:	11725 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 907013850
Region:	LA
Permit Category:	T
Facility Id:	003134-003246
Facility Type:	0
Facility Status:	Closed
Area:	1D
Permit Number:	00003417T
Permit Status:	Closed

NPDES:

Name:	NATIONAL READY MIXED CONCRETE
Address:	11725 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility Status:	Active
NPDES Number:	CAS000001

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Region:	4
Agency Number:	0
Regulatory Measure ID:	191148
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I016391
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/02/2001
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	15821 Ventura Blvd Ste 475
Discharge Name:	National Ready Mixed Concrete Company
Discharge City:	Encino
Discharge State:	California
Discharge Zip:	91436
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191148
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016391
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/02/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	National Ready Mixed Concrete Company
Discharge Address:	15821 Ventura Blvd Ste 475
Discharge City:	Encino
Discharge State:	California
Discharge Zip:	91436
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191148
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016391
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/02/2001
Status:	Active
Status Date:	03/02/2001
Place Size:	36177
Place Size Unit:	SqFt
Contact:	Russell H Morton
Contact Title:	Not reported
Contact Phone:	562-865-6211
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	National Ready Mixed Concrete Company
Operator Address:	15821 Ventura Blvd Ste 475
Operator City:	Encino
Operator State:	California
Operator Zip:	91436
Operator Contact:	Dave Ollis
Operator Contact Title:	Not reported
Operator Contact Phone:	818-728-5222
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dollis@natcem.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-865-6211
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Gabriel River
Certifier:	Russell Morton

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Certifier Title:	Environ Safety
Certification Date:	05-MAR-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NATIONAL READY MIXED CONCRETE
Address:	11725 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I016391
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/02/2001
Operator Name:	National Ready Mixed Concrete Company
Operator Address:	15821 Ventura Blvd Ste 475
Operator City:	Encino
Operator State:	California
Operator Zip:	91436

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191148
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016391
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/02/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	National Ready Mixed Concrete Company
Discharge Address:	15821 Ventura Blvd Ste 475
Discharge City:	Encino
Discharge State:	California
Discharge Zip:	91436
Received Date:	Not reported

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191148
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016391
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/02/2001
Status:	Active
Status Date:	03/02/2001
Place Size:	36177
Place Size Unit:	SqFt
Contact:	Russell H Morton
Contact Title:	Not reported
Contact Phone:	562-865-6211
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	National Ready Mixed Concrete Company
Operator Address:	15821 Ventura Blvd Ste 475
Operator City:	Encino
Operator State:	California
Operator Zip:	91436
Operator Contact:	Dave Ollis
Operator Contact Title:	Not reported
Operator Contact Phone:	818-728-5222
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dollis@natcem.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-865-6211
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

NATIONAL READY MIXED CONCRETE (Continued) **U001565267**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Gabriel River
Certifier:	Russell Morton
Certifier Title:	Environ Safety
Certification Date:	05-MAR-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

A32 **UNITED READY MIXED CONCRETE** **UST** **U004346908**
SE **11725 ARTESIA BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.018 mi.
95 ft. **Site 25 of 25 in cluster A**

Relative: UST:
Lower

Name:	UNITED READY MIXED CONCRETE
Address:	11725 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	3246
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.874988
Longitude:	-118.082423

Actual:
63 ft.

C33 **JOHN WYNEGA** **SWEEPS UST** **S106927942**
SW **11645 ARTESIA BLVD** **N/A**
< 1/8 **ARTESIA, CA**
0.028 mi.
148 ft. **Site 1 of 5 in cluster C**

Relative: SWEEPS UST:
Lower

Name:	JOHN WYNEGA
Address:	11645 ARTESIA BLVD
City:	ARTESIA
Status:	Active
Comp Number:	13199
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported

Actual:
62 ft.

JOHN WYNEGA (Continued) **S106927942**

Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

D34 **CAL PLATE** **RCRA-SQG** **1000686351**
NW **17110 JERSEY AVE** **CERS HAZ WASTE** **CAD983636242**
< 1/8 **ARTESIA, CA 90701** **FINDS**
0.038 mi. **ECHO**
198 ft. **Site 1 of 5 in cluster D** **HAZNET**
LOS ANGELES CO. HMS
Relative: Lower **NPDES**
CERS
Actual: 63 ft. **HWTS**

RCRA-SQG:

Date Form Received by Agency:		19920410
Handler Name:	CAL PLATE	
Handler Address:		17110 JERSEY AVE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAD983636242
Contact Name:		RICHARD HEIBERG
Contact Address:		PO BOX 2093
Contact City,State,Zip:		ARTESIA, CA 90702-2093
Contact Telephone:		310-403-3000
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17110 JERSEY AVE
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		THOMAS R KORZENECKI
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

CAL PLATE (Continued) **1000686351**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THOMAS R KORZENECKI
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	895 S GRAND
Owner/Operator City,State,Zip:	PASADENA, CA 91155
Owner/Operator Telephone:	818-441-2169
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CAL PLATE (Continued) **1000686351**

Historic Generators:
Receive Date: 19920410
Handler Name: CAL PLATE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332212
NAICS Description: HAND AND EDGE TOOL MANUFACTURING

NAICS Code: 333293
NAICS Description: PRINTING MACHINERY AND EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CERS HAZ WASTE:
Name: CAL PLATE INC
Address: 17110 JERSEY AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 101471
CERS ID: 10289191
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110002876255

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

CAL PLATE (Continued) **1000686351**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000686351
Registry ID:	110002876255
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002876255
Name:	CAL PLATE
Address:	17110 JERSEY AVE
City,State,Zip:	ARTESIA, CA 90701

HAZNET:

Name:	CAL PLATE
Address:	17110 JERSEY AVE
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
Contact:	CINDY PHILLIPS
Telephone:	5624033000
Mailing Name:	Not reported
Mailing Address:	17110 JERSEY AVENUE
Year:	2019
Gepaid:	CAD983636242
TSD EPA ID:	AZR000520304
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.91740
Year:	2019
Gepaid:	CAD983636242
TSD EPA ID:	AZR000520304
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	30.93750
Year:	2019
Gepaid:	CAD983636242
TSD EPA ID:	AZR000520304
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	4.40000
Year:	2018

CAL PLATE (Continued) **1000686351**

Gepaid:	CAD983636242
TSD EPA ID:	AZR000501510
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.91740
Year:	2018
Gepaid:	CAD983636242
TSD EPA ID:	AZR000520304
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	33.25000
Year:	2018
Gepaid:	CAD983636242
TSD EPA ID:	AZR000501510
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.00000
Year:	2017
Gepaid:	CAD983636242
TSD EPA ID:	AZR000501510
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	11.6
Year:	2016
Gepaid:	CAD983636242
TSD EPA ID:	AZR000501510
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	9.17
Year:	2016
Gepaid:	CAD983636242
TSD EPA ID:	AZR000501510
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	8
Year:	2016
Gepaid:	CAD983636242
TSD EPA ID:	AZR000501510
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.9174

Click this hyperlink while viewing on your computer to access
57 additional CA HAZNET: record(s) in the EDR Site Report.

CAL PLATE (Continued) **1000686351**

Additional Info:

Year:	1998
Gen EPA ID:	CAD983636242
Shipment Date:	19981111
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981119
Manifest ID:	98540068
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981111
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981119
Manifest ID:	98540068
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980715
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980721
Manifest ID:	97375407
Trans EPA ID:	CAD131838849

CAL PLATE (Continued) **1000686351**

Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980715
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980721
Manifest ID:	97375407
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980127
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980205
Manifest ID:	96809396
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011

CAL PLATE (Continued) **1000686351**

Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980127
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980205
Manifest ID:	96809396
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD983636242
Shipment Date:	20121227
Creation Date:	4/10/2014 13:17:03
Receipt Date:	20130102
Manifest ID:	005624155FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.625
Waste Quantity:	11250
Quantity Unit:	P

CAL PLATE (Continued) **1000686351**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121108
Creation Date:	4/8/2013 15:43:32
Receipt Date:	20121114
Manifest ID:	006115420FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121108
Creation Date:	4/8/2013 15:43:32
Receipt Date:	20121114
Manifest ID:	006115420FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120918

CAL PLATE (Continued) **1000686351**

Creation Date:	4/10/2014 13:29:20
Receipt Date:	20120920
Manifest ID:	006117633FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.6
Waste Quantity:	7200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120918
Creation Date:	4/10/2014 13:29:20
Receipt Date:	20120920
Manifest ID:	006117633FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120801
Creation Date:	4/8/2013 15:42:53
Receipt Date:	20120809
Manifest ID:	005589526FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

CAL PLATE (Continued) **1000686351**

TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.725
Waste Quantity:	9450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120529
Creation Date:	4/10/2014 13:56:49
Receipt Date:	20120606
Manifest ID:	005304698FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120529
Creation Date:	4/10/2014 13:56:49
Receipt Date:	20120606
Manifest ID:	005304698FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

CAL PLATE (Continued) **1000686351**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.05
Waste Quantity:	8100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120410
Creation Date:	4/8/2013 15:42:10
Receipt Date:	20120419
Manifest ID:	005291112FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120410
Creation Date:	4/8/2013 15:42:10
Receipt Date:	20120419
Manifest ID:	005291112FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.135
Waste Quantity:	270
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD983636242
Shipment Date:	20151130
Creation Date:	7/14/2016 18:31:06
Receipt Date:	20151202
Manifest ID:	009004064FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.4
Waste Quantity:	6800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151116
Manifest ID:	009091634FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	20150904
Creation Date:	2/5/2016 22:15:23
Receipt Date:	20150914
Manifest ID:	008738754FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.4
Waste Quantity:	6800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150806
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150813
Manifest ID:	008738478FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.2
Waste Quantity:	8400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150701
Creation Date:	2/8/2016 22:17:34
Receipt Date:	20150711
Manifest ID:	008789675FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported

CAL PLATE (Continued) **1000686351**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5
Waste Quantity:	10000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150519
Creation Date:	11/5/2015 22:15:08
Receipt Date:	20150521
Manifest ID:	008399843FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.4
Waste Quantity:	8800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150416
Creation Date:	9/11/2015 22:15:30
Receipt Date:	20150426
Manifest ID:	008399565FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

CAL PLATE (Continued) **1000686351**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.6
Waste Quantity:	11200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAD983636242
Shipment Date:	20171220
Creation Date:	10/16/2018 18:31:31
Receipt Date:	20171228
Manifest ID:	011197905FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.2
Waste Quantity:	8400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171116
Manifest ID:	009887732FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.2

CAL PLATE (Continued) **1000686351**

Waste Quantity:	8400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171005
Creation Date:	7/10/2018 18:30:28
Receipt Date:	20171012
Manifest ID:	011090207FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.8
Waste Quantity:	7600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170831
Creation Date:	8/2/2018 18:30:37
Receipt Date:	20170908
Manifest ID:	011089974FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.6
Waste Quantity:	7200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Info:

Year:	2009
Gen EPA ID:	CAD983636242
Shipment Date:	20091021
Creation Date:	12/30/2010 10:14:21
Receipt Date:	20091026
Manifest ID:	002951749FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.032
Waste Quantity:	64
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091021
Creation Date:	12/30/2010 10:14:21
Receipt Date:	20091026
Manifest ID:	002951749FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090824
Creation Date:	12/30/2010 10:13:52
Receipt Date:	20090827

CAL PLATE (Continued) **1000686351**

Manifest ID:	003008745FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.6
Waste Quantity:	7200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090824
Creation Date:	12/30/2010 10:13:52
Receipt Date:	20090827
Manifest ID:	003008745FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090625
Creation Date:	12/30/2010 10:13:05
Receipt Date:	20090701
Manifest ID:	002560274FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC

CAL PLATE (Continued) **1000686351**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.6
Waste Quantity:	5200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090625
Creation Date:	12/30/2010 10:13:05
Receipt Date:	20090701
Manifest ID:	002560274FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090506
Creation Date:	12/31/2010 8:51:59
Receipt Date:	20090513
Manifest ID:	002199961FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1

CAL PLATE (Continued) **1000686351**

Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090506
Creation Date:	12/31/2010 8:51:59
Receipt Date:	20090513
Manifest ID:	002199961FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.2
Waste Quantity:	4400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090109
Creation Date:	12/31/2010 8:51:37
Receipt Date:	20090119
Manifest ID:	002213370FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.2
Waste Quantity:	6400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	20090109
Creation Date:	12/31/2010 8:51:37
Receipt Date:	20090119
Manifest ID:	002213370FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD983636242
Shipment Date:	20131210
Creation Date:	2/9/2015 10:11:15
Receipt Date:	20131219
Manifest ID:	006154801FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	6.3
Waste Quantity:	12600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131101
Creation Date:	4/9/2014 14:42:47
Receipt Date:	20131106

CAL PLATE (Continued) **1000686351**

Manifest ID:	006117897FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.05
Waste Quantity:	8100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131011
Creation Date:	4/9/2014 14:52:28
Receipt Date:	20131015
Manifest ID:	005587276FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.05
Waste Quantity:	8100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130911
Creation Date:	4/9/2014 15:10:33
Receipt Date:	20130917
Manifest ID:	005586970FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC

CAL PLATE (Continued) **1000686351**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.05
Waste Quantity:	8100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130812
Creation Date:	4/9/2014 15:27:31
Receipt Date:	20130814
Manifest ID:	006156093FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5775
Waste Quantity:	1155
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130715
Creation Date:	4/9/2014 15:46:01
Receipt Date:	20130718
Manifest ID:	006561983FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.8

CAL PLATE (Continued) **1000686351**

Waste Quantity:	9600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130715
Creation Date:	4/9/2014 15:46:01
Receipt Date:	20130718
Manifest ID:	006561983FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130617
Creation Date:	4/9/2014 15:57:22
Receipt Date:	20130624
Manifest ID:	006561750FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	20130503
Creation Date:	4/10/2014 10:28:52
Receipt Date:	20130507
Manifest ID:	006521839FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.725
Waste Quantity:	9450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130503
Creation Date:	4/10/2014 10:28:52
Receipt Date:	20130507
Manifest ID:	006521839FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD983636242

Shipment Date:	19951213
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951213

CAL PLATE (Continued) **1000686351**

Manifest ID:	95868504
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951005
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951009
Manifest ID:	95692099
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951005
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951009
Manifest ID:	95692099
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CAL PLATE (Continued) **1000686351**

Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950720
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950720
Manifest ID:	95415386
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950501
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950501
Manifest ID:	95175354
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950501
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950501
Manifest ID:	95175354
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950123
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950130
Manifest ID:	95169447
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950123
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950130
Manifest ID:	95169447
Trans EPA ID:	CAD982524613
Trans Name:	Not reported

CAL PLATE (Continued) **1000686351**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD983636242
Shipment Date:	20011217
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011217
Manifest ID:	20609995
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010807
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010807
Manifest ID:	20417564
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

CAL PLATE (Continued) **1000686351**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD983636242
Shipment Date:	20031029
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031029
Manifest ID:	21954809
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031029
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031029
Manifest ID:	21954809
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	4

CAL PLATE (Continued) **1000686351**

Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030710
Creation Date:	7/23/2004 13:23:15
Receipt Date:	20030710
Manifest ID:	22013517
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030710
Creation Date:	7/23/2004 13:23:15
Receipt Date:	20030710
Manifest ID:	22013517
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.7
Waste Quantity:	5400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030429

CAL PLATE (Continued) **1000686351**

Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030429
Manifest ID:	21952620
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030324
Creation Date:	5/9/2007 18:30:21
Receipt Date:	20030324
Manifest ID:	21955745
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.179
Waste Quantity:	935
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030207
Creation Date:	5/19/2003 18:32:02
Receipt Date:	20030207
Manifest ID:	21950442
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported

CAL PLATE (Continued) **1000686351**

TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030207
Creation Date:	5/19/2003 18:32:02
Receipt Date:	20030207
Manifest ID:	21950442
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.034
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030207
Creation Date:	5/19/2003 18:32:02
Receipt Date:	20030207
Manifest ID:	21950442
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030207
Creation Date:	5/19/2003 18:32:02
Receipt Date:	20030207
Manifest ID:	21950442
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD983636242
Shipment Date:	20041105
Creation Date:	1/20/2005 18:30:36
Receipt Date:	20041105
Manifest ID:	21955502
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.5
Waste Quantity:	7000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	20041105
Creation Date:	1/20/2005 18:30:36
Receipt Date:	20041105
Manifest ID:	21955502
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040816
Creation Date:	12/28/2004 14:46:39
Receipt Date:	20040816
Manifest ID:	22891841
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040816
Creation Date:	12/28/2004 14:46:39
Receipt Date:	20040816
Manifest ID:	22891841
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

CAL PLATE (Continued) **1000686351**

Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040816
Creation Date:	12/28/2004 14:46:39
Receipt Date:	20040816
Manifest ID:	22891841
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040816
Creation Date:	12/28/2004 14:46:39
Receipt Date:	20040816
Manifest ID:	22891841
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.2
Waste Quantity:	6400
Quantity Unit:	P

CAL PLATE (Continued) **1000686351**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040528
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040528
Manifest ID:	21956232
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	29.92
Waste Quantity:	8800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040211
Creation Date:	9/10/2004 9:51:11
Receipt Date:	20040211
Manifest ID:	21955040
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040211
Creation Date:	9/10/2004 9:51:11
Receipt Date:	20040211

CAL PLATE (Continued) **1000686351**

Manifest ID:	21955040
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	5
Waste Quantity:	10000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD983636242
Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:17
Receipt Date:	20071119
Manifest ID:	000573555JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:17
Receipt Date:	20071119
Manifest ID:	000573555JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported

CAL PLATE (Continued) **1000686351**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071003
Creation Date:	3/18/2008 18:30:19
Receipt Date:	20071003
Manifest ID:	000574386JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.244
Waste Quantity:	660
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071003
Creation Date:	3/18/2008 18:30:19
Receipt Date:	20071003
Manifest ID:	000574386JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported

CAL PLATE (Continued) **1000686351**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070814
Creation Date:	3/4/2008 18:30:48
Receipt Date:	20070814
Manifest ID:	000574198JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070814
Creation Date:	3/4/2008 18:30:48
Receipt Date:	20070814
Manifest ID:	000574198JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070629
Creation Date:	2/4/2008 18:30:39
Receipt Date:	20070629
Manifest ID:	000574078JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.2
Waste Quantity:	4400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070525
Creation Date:	12/20/2007 18:30:41
Receipt Date:	20070525
Manifest ID:	000575989JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.7
Waste Quantity:	5400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070525
Creation Date:	12/20/2007 18:30:41
Receipt Date:	20070525

CAL PLATE (Continued) **1000686351**

Manifest ID:	000575989JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070503
Creation Date:	12/20/2007 18:30:14
Receipt Date:	20070503
Manifest ID:	000575884JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.85
Waste Quantity:	7700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD983636242

Shipment Date:	20061214
Creation Date:	9/24/2007 18:30:06
Receipt Date:	20061214
Manifest ID:	000577952JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER

CAL PLATE (Continued) **1000686351**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061214
Creation Date:	9/24/2007 18:30:06
Receipt Date:	20061214
Manifest ID:	000577952JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061031
Creation Date:	6/29/2007 18:30:27
Receipt Date:	20061031
Manifest ID:	000577794JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more

CAL PLATE (Continued) **1000686351**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061031
Creation Date:	6/29/2007 18:30:27
Receipt Date:	20061031
Manifest ID:	000577794JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.375
Waste Quantity:	6750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060907
Creation Date:	3/30/2007 13:31:35
Receipt Date:	20060907
Manifest ID:	000577560JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1225
Waste Quantity:	245
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060907
Creation Date:	3/30/2007 13:31:35
Receipt Date:	20060907
Manifest ID:	000577560JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	2.6
Waste Quantity:	5200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060804
Creation Date:	9/27/2006 18:34:58
Receipt Date:	20060804
Manifest ID:	22945343
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.244
Waste Quantity:	660
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060804
Creation Date:	9/27/2006 18:34:58
Receipt Date:	20060804
Manifest ID:	22945343
Trans EPA ID:	CAD008252405

CAL PLATE (Continued) **1000686351**

Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060620
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060620
Manifest ID:	22946292
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060620
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060620
Manifest ID:	22946292
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

CAL PLATE (Continued) **1000686351**

Meth Code:	H01 - Transfer Station
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD983636242
Shipment Date:	20101104
Creation Date:	2/10/2012 9:17:13
Receipt Date:	20101110
Manifest ID:	003924831FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101104
Creation Date:	2/10/2012 9:17:13
Receipt Date:	20101110
Manifest ID:	003924831FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.65
Waste Quantity:	7300

CAL PLATE (Continued) **1000686351**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101004
Creation Date:	2/10/2012 9:16:45
Receipt Date:	20101006
Manifest ID:	003924505FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.5875
Waste Quantity:	5175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101004
Creation Date:	2/10/2012 9:16:45
Receipt Date:	20101006
Manifest ID:	003924505FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.13
Waste Quantity:	260
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	20100726
Creation Date:	2/10/2012 9:31:02
Receipt Date:	20100728
Manifest ID:	007697627JJK
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.2
Waste Quantity:	4400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100726
Creation Date:	2/10/2012 9:31:02
Receipt Date:	20100728
Manifest ID:	007697627JJK
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100726
Creation Date:	2/10/2012 9:31:02
Receipt Date:	20100728
Manifest ID:	007697627JJK
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported

CAL PLATE (Continued) **1000686351**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100702
Creation Date:	2/10/2012 9:30:24
Receipt Date:	20100709
Manifest ID:	007697513JJK
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100702
Creation Date:	2/10/2012 9:30:24
Receipt Date:	20100709
Manifest ID:	007697513JJK
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

CAL PLATE (Continued) **1000686351**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 3
Waste Quantity: 6000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100521
Creation Date: 12/30/2010 10:44:16
Receipt Date: 20100525
Manifest ID: 003446262FLE
Trans EPA ID: CAD980585293
Trans Name: INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZR000501510
Trans Name: AA SYDCOL LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 512 - Other empty containers 30 gallons or more
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.12
Waste Quantity: 240
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAD983636242

Shipment Date: 20001024
Creation Date: 1/9/2001 0:00:00
Receipt Date: 20001024
Manifest ID: 99498379
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 1.25
Waste Quantity: 2500

CAL PLATE (Continued) **1000686351**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000711
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000711
Manifest ID:	98725236
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000223
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000223
Manifest ID:	98728271
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.75
Waste Quantity:	3500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000223
Creation Date:	5/3/2000 0:00:00

CAL PLATE (Continued) **1000686351**

Receipt Date:	20000223
Manifest ID:	98728271
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD983636242
Shipment Date:	19961002
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961007
Manifest ID:	96385210
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961002
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961007
Manifest ID:	96385210
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575

CAL PLATE (Continued) **1000686351**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960806
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960812
Manifest ID:	95733022
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960806
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960812
Manifest ID:	95733022
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417

CAL PLATE (Continued) **1000686351**

Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960426
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960429
Manifest ID:	96209773
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960426
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960429
Manifest ID:	96209773
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960108

CAL PLATE (Continued) **1000686351**

Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960115
Manifest ID:	95692373
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960108
Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960115
Manifest ID:	95692373
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD983636242

Shipment Date:	19941011
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19941013
Manifest ID:	93585930
Trans EPA ID:	CAD982524613
Trans Name:	Not reported

CAL PLATE (Continued) **1000686351**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941011
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19941013
Manifest ID:	93585930
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940711
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940713
Manifest ID:	93181831
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler

CAL PLATE (Continued) **1000686351**

Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940711
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940713
Manifest ID:	93181831
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940425
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940428
Manifest ID:	93181672
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	19940421
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940425
Manifest ID:	93182316
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD983636242

Shipment Date:	19931025
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931028
Manifest ID:	93178995
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931025
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931028
Manifest ID:	93178995
Trans EPA ID:	CAD982524613

CAL PLATE (Continued) **1000686351**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930805
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930810
Manifest ID:	93179243
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930805
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930810
Manifest ID:	93179243
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011

CAL PLATE (Continued) **1000686351**

Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930505
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92749878
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930505
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92749878
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Shipment Date:	19930121
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930122
Manifest ID:	92419614
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD983636242
Shipment Date:	20140716
Creation Date:	2/9/2015 10:12:59
Receipt Date:	20140721
Manifest ID:	007780955FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140604
Creation Date:	2/9/2015 10:12:41
Receipt Date:	20140609
Manifest ID:	007763603FLE

CAL PLATE (Continued) **1000686351**

Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140502
Creation Date:	12/2/2014 11:24:21
Receipt Date:	20140506
Manifest ID:	007763348FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.2
Waste Quantity:	6400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140402
Creation Date:	2/9/2015 10:12:20
Receipt Date:	20140407
Manifest ID:	007484956FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported

CAL PLATE (Continued) **1000686351**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.6
Waste Quantity:	7200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140226
Creation Date:	2/9/2015 10:11:53
Receipt Date:	20140303
Manifest ID:	007484676FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.7
Waste Quantity:	5400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140124
Creation Date:	2/9/2015 10:11:35
Receipt Date:	20140203
Manifest ID:	007472441FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.4
Waste Quantity:	10800

CAL PLATE (Continued) **1000686351**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD983636242
Shipment Date:	20111202
Creation Date:	7/31/2012 12:48:17
Receipt Date:	20111206
Manifest ID:	004855658FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1575
Waste Quantity:	315
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111202
Creation Date:	7/31/2012 12:48:17
Receipt Date:	20111206
Manifest ID:	004855658FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.4
Waste Quantity:	10800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110928
Creation Date:	4/25/2012 14:05:38
Receipt Date:	20111006
Manifest ID:	004935834FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.2
Waste Quantity:	8400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110928
Creation Date:	4/25/2012 14:05:38
Receipt Date:	20111006
Manifest ID:	004935834FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110928
Creation Date:	4/25/2012 14:05:38
Receipt Date:	20111006

CAL PLATE (Continued) **1000686351**

Manifest ID:	004935834FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110810
Creation Date:	2/10/2012 9:16:16
Receipt Date:	20110818
Manifest ID:	004935362FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.65
Waste Quantity:	3300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110718
Creation Date:	2/10/2012 9:14:56
Receipt Date:	20110726
Manifest ID:	004461550FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC

CAL PLATE (Continued) **1000686351**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2425
Waste Quantity:	485
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110718
Creation Date:	2/10/2012 9:14:56
Receipt Date:	20110726
Manifest ID:	004461550FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110526
Creation Date:	2/10/2012 9:15:45
Receipt Date:	20110602
Manifest ID:	007697877JJK
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.8

CAL PLATE (Continued) **1000686351**

Waste Quantity:	7600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110526
Creation Date:	2/10/2012 9:14:30
Receipt Date:	20110601
Manifest ID:	004461262FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD983636242
Shipment Date:	19971010
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971013
Manifest ID:	96809529
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971010
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971013
Manifest ID:	96809529
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970703
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970708
Manifest ID:	96809225
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970703
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970708
Manifest ID:	96809225
Trans EPA ID:	CAD131838849

CAL PLATE (Continued) **1000686351**

Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970411
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970415
Manifest ID:	96811763
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970411
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970415
Manifest ID:	96811763
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011

CAL PLATE (Continued) **1000686351**

Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970108
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19970113
Manifest ID:	96385501
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970108
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19970113
Manifest ID:	96385501
Trans EPA ID:	CAD131838849
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982433575
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Info:

Year:	2002
Gen EPA ID:	CAD983636242
Shipment Date:	20021122
Creation Date:	3/27/2003 18:31:27
Receipt Date:	20021122
Manifest ID:	21643473
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020912
Creation Date:	1/28/2003 18:31:46
Receipt Date:	20020912
Manifest ID:	21643367
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.74
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020520
Creation Date:	7/19/2002 15:57:28
Receipt Date:	20020520
Manifest ID:	21645287
Trans EPA ID:	CAD008252405

CAL PLATE (Continued) **1000686351**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020520
Creation Date:	7/19/2002 15:57:28
Receipt Date:	20020520
Manifest ID:	21645287
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020411
Creation Date:	1/8/2003 18:31:12
Receipt Date:	20020411
Manifest ID:	21642528
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

CAL PLATE (Continued) **1000686351**

Meth Code:	H01 - Transfer Station
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020311
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020311
Manifest ID:	20779048
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD983636242
Shipment Date:	20051214
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051214
Manifest ID:	21953175
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.135
Waste Quantity:	270
Quantity Unit:	P
Additional Code 1:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051214
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051214
Manifest ID:	21953175
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.7
Waste Quantity:	5400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051026
Creation Date:	5/24/2006 18:32:16
Receipt Date:	20051026
Manifest ID:	21953034
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051026
Creation Date:	5/24/2006 18:32:16
Receipt Date:	20051026
Manifest ID:	21953034

CAL PLATE (Continued) **1000686351**

Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.4
Waste Quantity:	6800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050803
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050803
Manifest ID:	22900660
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.925
Waste Quantity:	5850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050714
Creation Date:	10/11/2005 18:32:36
Receipt Date:	20050714
Manifest ID:	22612709
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more

CAL PLATE (Continued) **1000686351**

RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1875
Waste Quantity:	375
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050606
Creation Date:	9/13/2005 18:30:54
Receipt Date:	20050606
Manifest ID:	22562200
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	4.275
Waste Quantity:	8550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050408
Creation Date:	7/20/2005 18:30:55
Receipt Date:	20050408
Manifest ID:	22562141
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CAL PLATE (Continued) **1000686351**

Additional Code 5:	Not reported
Shipment Date:	20050321
Creation Date:	6/1/2005 18:31:04
Receipt Date:	20050321
Manifest ID:	22613068
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.105
Waste Quantity:	210
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050321
Creation Date:	6/1/2005 18:31:04
Receipt Date:	20050321
Manifest ID:	22613068
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.6
Waste Quantity:	5200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD983636242
Shipment Date:	20151130
Creation Date:	7/14/2016 18:31:06
Receipt Date:	20151202

CAL PLATE (Continued) **1000686351**

Manifest ID:	009004064FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.4
Waste Quantity:	6800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151116
Manifest ID:	009091634FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150904
Creation Date:	2/5/2016 22:15:23
Receipt Date:	20150914
Manifest ID:	008738754FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC

CAL PLATE (Continued) **1000686351**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.4
Waste Quantity:	6800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150806
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150813
Manifest ID:	008738478FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.2
Waste Quantity:	8400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150701
Creation Date:	2/8/2016 22:17:34
Receipt Date:	20150711
Manifest ID:	008789675FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5

CAL PLATE (Continued) **1000686351**

Waste Quantity:	10000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150519
Creation Date:	11/5/2015 22:15:08
Receipt Date:	20150521
Manifest ID:	008399843FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.4
Waste Quantity:	8800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150416
Creation Date:	9/11/2015 22:15:30
Receipt Date:	20150426
Manifest ID:	008399565FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.6
Waste Quantity:	11200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CAL PLATE (Continued) **1000686351**

LOS ANGELES CO. HMS:
Name: CAL PLATE
Address: 17110 JERSEY AVE
City,State,Zip: ARTESIA, CA 907012637
Region: LA
Permit Category: I
Facility Id: 008685-I15933
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000012548
Permit Status: Permit

NPDES:

Name:	CAL PLATE
Address:	17110 JERSEY AVENUE
City,State,Zip:	ARTESIA, CA 90701
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19IN605747
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	NEC Required
Status Date:	10/24/2019
Operator Name:	Cal Plate
Operator Address:	17110 Jersey Avenue
Operator City:	Artesia
Operator State:	California
Operator Zip:	90701

CERS:

Name:	CAL PLATE INC
Address:	17110 JERSEY AVE
City,State,Zip:	ARTESIA, CA 90701
Site ID:	101471
CERS ID:	10289191
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	101471
Site Name:	CAL PLATE INC
Violation Date:	06-27-2014

CAL PLATE (Continued) **1000686351**

Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 07/21/2018. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 101471
Site Name: CAL PLATE INC
Violation Date: 06-21-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/21/2018. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Six 55 gallon drums containing waste heptyl acetate solids located across from the PRI machine was observed without labels. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled. Operator, Juan, affixed the yellow Haz Waste labels at the time of inspection. This item was corrected on site.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 101471
Site Name: CAL PLATE INC
Violation Date: 06-21-2018
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/05/2019. OBSERVATION: The business failed to establish and implement a business plan when handling hazardous materials at or above the reportable threshold quantities. CERS review revealed no submittal for the current and previous years. Observed the following at the time of inspection: 11 / ~200 CF cylinders of Nitrogen 1 / 55 gallon drum for waste solids 6 / 55 gallon drums containing waste solids (bentyl acetate solids) 7 / 55 gallon drums empty 8 / 55 gallon drums Cyrel Cylosol washout solution 4 / 55 gallon drums C-Component 2 / 55 gallon drums of Injection Oil 2 / 55 gallon

CAL PLATE (Continued) **1000686351**

drums of heat transfer fluid 4 / 5 gallon containers of Acetone
CORRECTIVE ACTION: Establish and implement a business plan for the facility. Submit documentation of correction to the unified program agency.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: STEVE BRADY, PLANT MANAGER Discussed observed corrections with Cindy Phillips, CFO
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: STEVE BRADY, PLANT MANAGER Discussed observed corrections with Cindy Phillips, CFO
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow up CERS review revealed no submittals noted as of 8/2/2018. Email sent to Cindy via cindy@calplate.com for follow up.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

CAL PLATE (Continued) **1000686351**

Eval General Type:	Other/Unknown
Eval Date:	10-25-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Telephone call to office. Left message for Cindy Phillips to follow up on status of CERS submittal
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	101471
Facility Name:	CAL PLATE INC
Env Int Type Code:	HWG
Program ID:	10289191
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.875120
Longitude:	-118.085460

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	CINDY PHILLIPS
Entity Title:	Not reported
Affiliation Address:	17110 JERSEY AVE
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Cindy Phillips
Entity Title:	CFO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	CAL PLATE INC
Entity Title:	Not reported
Affiliation Address:	17110 JERSEY AV
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(818) 441-2169

Affiliation Type Desc:	Parent Corporation
Entity Name:	CAL PLATE INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

CAL PLATE (Continued) **1000686351**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Cindy Phillips
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 17110 JERSEY AVE
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: T R Korzenecki
Entity Title: Not reported
Affiliation Address: 180 S Lake Ave, Suite 2015
Affiliation City: Pasadena
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91101
Affiliation Phone: (626) 405-1500

HWTS:
Name: CAL PLATE
Address: 17110 JERSEY AVE
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907010000
EPA ID: CAD983636242
Inactive Date: 06/30/2016
Create Date: 04/10/1992
Last Act Date: 01/12/2017
Mailing Name: Not reported
Mailing Address: 17110 JERSEY AVENUE

CAL PLATE (Continued) **1000686351**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907010000
Owner Name:	CAL PLATE ACQUISITION
Owner Address:	17110 JERSEY AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 907010000
Contact Name:	CINDY PHILLIPS
Contact Address:	17110 JERSEY AVE
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701

NAICS:

EPA ID:	CAD983636242
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	323122
NAICS Description:	Prepress Services
Issued EPA ID Date:	1992-04-10 00:00:00
Inactive Date:	2016-06-30 00:00:00
Facility Name:	CAL PLATE
Facility Address:	17110 JERSEY AVE
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	907010000

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35 **PACIFIC COAST LINES** **RCRA-SQG** **1000250136**
NE **17203 CORBY ST** **FINDS** **CAD981442049**
< 1/8 **ARTESIA, CA 90701** **ECHO**
0.038 mi.
202 ft.

Relative:
Higher

Actual:
65 ft.

RCRA-SQG:

Date Form Received by Agency:		19860904
Handler Name:	PACIFIC COAST LINES	
Handler Address:		17203 CORBY ST
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAD981442049
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		17203 CORBY ST
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		213-860-7613
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		17203 CORBY ST
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		WILLIAM KENDALL

PACIFIC COAST LINES (Continued) **1000250136**

Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

PACIFIC COAST LINES (Continued) **1000250136**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WILLIAM KENDALL
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860904
Handler Name: PACIFIC COAST LINES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 48411
NAICS Description: GENERAL FREIGHT TRUCKING, LOCAL

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:

PACIFIC COAST LINES (Continued) **1000250136**

Registry ID: 110002707107

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000250136
Registry ID:	110002707107
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002707107
Name:	PACIFIC COAST LINES
Address:	17203 CORBY ST
City,State,Zip:	ARTESIA, CA 90701

E36 **GEORGE VEROEVEN FEED CO** **SWEEPS UST** **S101617883**
SE **11735 E ARTESIA BLVD** **HIST UST** **N/A**
< 1/8 **ARTESIA, CA 90701** **CA FID UST**
0.040 mi. **LOS ANGELES CO. HMS**
212 ft. **Site 1 of 13 in cluster E**

Relative: Lower
Actual: 61 ft.

SWEEPS UST:

Name:	GEORGE VEROEVEN FEED CO
Address:	11735 E ARTESIA BLVD
City:	ARTESIA
Status:	Not reported
Comp Number:	11487
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-011487-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	2

Name:	GEORGE VEROEVEN FEED CO
Address:	11735 E ARTESIA BLVD
City:	ARTESIA
Status:	Not reported
Comp Number:	11487
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported

GEORGE VEROEVEN FEED CO (Continued) **S101617883**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011487-000002
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: GEORGE VERHOEVEN FEED CO INC
Address: 11735 E ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
File Number: 00026B47
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026B47.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19002259
Regulated By: UTNKI
Regulated ID: 00007603
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 11735 E P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: ARTESIA 90701
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported

GEORGE VEROEVEN FEED CO (Continued) **S101617883**

Status: Inactive

LOS ANGELES CO. HMS:
Name: GEORGE VEROEVEN FEED CO
Address: 11735 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: T
Facility Id: 011447-011487
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 00003027T
Permit Status: Removed

E37 **GEORGE VERHOEVEN FEED COMPANY** **LUST** **S104159882**
SE **11735 ARTESIA BLVD E** **Cortese** **N/A**
< 1/8 **ARTESIA, CA 90701** **ENF**
0.040 mi. **HIST CORTESE**
212 ft. **Site 2 of 13 in cluster E** **CERS**

Relative: **Lower**
Actual: **61 ft.**

LUST:
Name: GEORGE VERHOEVEN FEED COMPANY
Address: 11735 ARTESIA BLVD E
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703805
Global Id: T0603703805
Latitude: 33.873712
Longitude: -118.083385
Status: Completed - Case Closed
Status Date: 12/12/1996
Case Worker: YR
RB Case Number: I-11487
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603703805
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703805
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles

GEORGE VERHOEVEN FEED COMPANY (Continued) **S104159882**

Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703805
Action Type: Other
Date: 02/26/1990
Action: Leak Reported

Global Id: T0603703805
Action Type: Other
Date: 01/30/1990
Action: Leak Stopped

Global Id: T0603703805
Action Type: Other
Date: 01/30/1990
Action: Leak Discovery

LUST:
Global Id: T0603703805
Status: Open - Case Begin Date
Status Date: 09/01/1989

Global Id: T0603703805
Status: Open - Site Assessment
Status Date: 09/01/1989

Global Id: T0603703805
Status: Open - Site Assessment
Status Date: 12/11/1989

Global Id: T0603703805
Status: Open - Remediation
Status Date: 02/06/1990

Global Id: T0603703805
Status: Open - Remediation
Status Date: 11/12/1996

Global Id: T0603703805
Status: Completed - Case Closed
Status Date: 12/12/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-11487
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported

GEORGE VERHOEVEN FEED COMPANY (Continued) **S104159882**

Global ID:	T0603703805	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CORBY AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/30/1990	
Date Leak First Reported:		2/26/1990
Date Leak Record Entered:	2/19/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	1/30/1990	
Date Case Last Changed on Database:		1/27/1997
Date the Case was Closed:		12/12/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	VERHOEVEN, ROBERT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1054.489005870659307940338 6535
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		9/1/1989
Preliminary Site Assessment Began:		12/11/1989
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		2/6/1990
Remedial Action Underway:		11/12/1996
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GEORGE VERHOEVEN FEED COMPANY	
RP Address:	7000 MERRILL AVE, #5, CHINO CA 91710	
Program:	LUST	
Lat/Long:	33.873172 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	THIS IS AN USTCF SITE. 10/31/96 QUARTERLY G/W MONITORING RPT 01/27/97 FINAL REPORT OF GW REMEDIATION & DESTRUCTION OF GW MONITORING WELLS	

CORTESE:

Name:	GEORGE VERHOEVEN FEED COMPANY
Address:	11735 ARTESIA BLVD E
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE

GEORGE VERHOEVEN FEED COMPANY (Continued) **S104159882**

Envirostor Id:	Not reported
Global ID:	T0603703805
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	J.W.L. TRANSPORTATION
Address:	11735 ARTESIA
City,State,Zip:	ARTESIA, CA 90703
Region:	4
Facility Id:	233303
Agency Name:	JWL Transportation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

GEORGE VERHOEVEN FEED COMPANY (Continued) **S104159882**

Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000204
Reg Measure Id:	167179
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236505
Region:	4
Order / Resolution Number:	Notice of Noncompliance
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/03/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/03/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Notice of Noncompliance sent 4/3/01for overdue semiannual fee. - 4CUPA000204
Description:	Notice of Noncompliance sent 4/3/01for overdue semiannual fee.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

GEORGE VERHOEVEN FEED COMPANY (Continued) **S104159882**

HIST CORTESE:

edr_fname:	GEORGE VERHOEVEN FEED COM
edr_fadd1:	11735 ARTESIA
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-11487

CERS:

Name:	GEORGE VERHOEVEN FEED COMPANY
Address:	11735 ARTESIA BLVD E
City,State,Zip:	ARTESIA, CA 90701
Site ID:	259176
CERS ID:	T0603703805
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

E38 **GEORGE VERHOEVEN FEED CO. INC.** **HIST UST** **U001565236**
SE **11735 ARTESIA BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.040 mi.
212 ft. **Site 3 of 13 in cluster E**

Relative:
Lower

Actual:
61 ft.

HIST UST:

Name:	GEORGE VERHOEVEN FEED CO. INC.
Address:	11735 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000007603
Facility Type:	Other
Other Type:	FEED MANUFACTURER
Contact Name:	Not reported
Telephone:	2138651391

GEORGE VERHOEVEN FEED CO. INC. (Continued) **U001565236**

Owner Name:	GEORGE VERHOEVEN FEED CO., INC
Owner Address:	11735 E. ARTESIA BLVD.
Owner City,St,Zip:	ARTESIA, CA 90701
Total Tanks:	0002
Tank Num:	001
Container Num:	A01
Year Installed:	Not reported
Tank Capacity:	00009943
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	A02
Year Installed:	Not reported
Tank Capacity:	00001994
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor

F39 **ELROY PAINTING CONTRACTOR** **CPS-SLIC S101539929**
WNW **17220 JERSEY** **CERS N/A**
< 1/8 **ARTESIA, CA 90701**
0.041 mi.
215 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
64 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0135
Substance:	VOCs
Staff:	Not reported

CPS-SLIC:

Name:	ELROY PAINTING CONTRACTOR
Address:	17220 JERSEY AVE
City,State,Zip:	ARTESIA, CA 90701
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/16/1965
Global Id:	SLT4307977
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.873018
Longitude:	-118.084763
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0135
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

ELROY PAINTING CONTRACTOR (Continued) **S101539929**

Click here to access the California GeoTracker records for this facility:

CERS:
Name: ELROY PAINTING CONTRACTOR
Address: 17220 JERSEY AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 188691
CERS ID: SLT4307977
CERS Description: Cleanup Program Site

C40 **MS CLAUDIA COVERT** **SWEEPS UST** **S106929704**
SW **11655 ARTESIA BLVD** **N/A**
< 1/8 **ARTESIA, CA**
0.044 mi.
230 ft. **Site 2 of 5 in cluster C**

Relative: **Lower**
Actual: **61 ft.**

SWEEPS UST:
Name: MS CLAUDIA COVERT
Address: 11655 ARTESIA BLVD
City: ARTESIA
Status: Active
Comp Number: 14310
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

C41 **JASPERS AUTO SERVICE** **CERS HAZ WASTE** **S113006504**
SW **11648 ARTESIA BLVD** **HAZNET** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS**
0.048 mi. **HWTS**
255 ft. **Site 3 of 5 in cluster C**

Relative: **Lower**
Actual: **60 ft.**

CERS HAZ WASTE:
Name: JASPER'S AUTO SERVICE
Address: 11648 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 125626
CERS ID: 10279264
CERS Description: Hazardous Waste Generator

HAZNET:
Name: JASPERS AUTO SERVICE
Address: 11648 ARTESIA BLVD

JASPERS AUTO SERVICE (Continued) **S113006504**

Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
Contact:	VALID #CAL000046736
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	11648 ARTESIA BLVD
Year:	2001
Gepaid:	CAD981446289
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.2226

Additional Info:

Year:	2001
Gen EPA ID:	CAD981446289
Shipment Date:	20011018
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011023
Manifest ID:	21377270
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2226
Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	JASPER'S AUTO SERVICE
Address:	11648 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	125626
CERS ID:	10279264
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency

JASPERS AUTO SERVICE (Continued) **S113006504**

Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	PEDRO "PETE" FERREIRA SECRETARY-TREASURER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-15-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Pedro Ferreira, President No significant violations observed.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Pedro Ferreira
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Pedro Ferreira
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	PEDRO "PETE" FERREIRA SECRETARY-TREASURER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP

JASPERS AUTO SERVICE (Continued) **S113006504**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Pedro Ferreira, President No significant violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 125626
Facility Name: Jasper's Auto Service
Env Int Type Code: HWG
Program ID: 10279264
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.872910
Longitude: -118.085280

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Identification Signer
Entity Name: Pedro S. Ferreira
Entity Title: Secretary-Treasurer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Pedro S. Ferreira
Entity Title: Not reported
Affiliation Address: 11648 Artesia Blvd
Affiliation City: Artesia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 865-1761

Affiliation Type Desc: Environmental Contact
Entity Name: Pedro S. Ferreira
Entity Title: Not reported
Affiliation Address: 11648 Artesia Blvd

JASPERS AUTO SERVICE (Continued) **S113006504**

Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Jasper's Auto Service, Inc.
Entity Title:	Not reported
Affiliation Address:	11648 Artesia Blvd
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-1761
Affiliation Type Desc:	Parent Corporation
Entity Name:	JASPER'S AUTO SERVICES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Pacific Engineering & Consulting
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11648 Artesia Blvd
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Jasper's Auto Service, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-1761

JASPERS AUTO SERVICE (Continued) **S113006504**

HWTS:

Name:	JASPERS AUTO SERVICE
Address:	11648 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAD981446289
Inactive Date:	06/30/2002
Create Date:	04/10/1987
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	11648 ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907010000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	VALID #CAL000046736
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

C42 **JASPER'S AUTO SERVICE INC** **RCRA-SQG** **1000346592**
SW **11648 ARTESIA BLVD** **FINDS** **CAD981446289**
< 1/8 **ARTESIA, CA 90701**
0.048 mi.
255 ft. **Site 4 of 5 in cluster C**

Relative: **Lower**

Actual: **60 ft.**

RCRA-SQG:

Date Form Received by Agency:		20010727
Handler Name:	JASPERS AUTO REPAIR	
Handler Address:		11648 ARTESIA BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAD981446289
Contact Name:		DEBBIE FERREIRA
Contact Address:		11648 ARTESIA BLVD
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-865-1761
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11648 ARTESIA BLVD
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		JASPERS AUTO REPAIR
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No

JASPER'S AUTO SERVICE INC (Continued) **1000346592**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

JASPER'S AUTO SERVICE INC (Continued) **1000346592**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JASPERS AUTO REPAIR
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11648 ARTESIA BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-1761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20010727
Handler Name: JASPERS AUTO REPAIR	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

JASPER'S AUTO SERVICE INC (Continued) **1000346592**

FINDS:
Registry ID: 110002709864

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C43 **JASPER'S AUTO SERVICE INC** **RCRA NonGen / NLR** **1024788540**
SW **11648 ARTESIA BOULEVARD** **CAL000046736**
< 1/8 **ARTESIA, CA 90701**
0.048 mi.
255 ft. **Site 5 of 5 in cluster C**

Relative: **Lower**
Actual: **60 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	19910215
Handler Name:	JASPER'S AUTO SERVICE INC
Handler Address:	11648 ARTESIA BOULEVARD
Handler City,State,Zip:	ARTESIA, CA 90701-0000
EPA ID:	CAL000046736
Contact Name:	PETE FERREIRA
Contact Address:	11648 ARTESIA BLVD
Contact City,State,Zip:	ARTESIA, CA 90701
Contact Telephone:	562-865-1761
Contact Fax:	000-000-0000
Contact Email:	DTSC@PACIFICMGT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11648 ARTESIA BLVD
Mailing City,State,Zip:	ARTESIA, CA 90701-3802
Owner Name:	JASPER'S AUTO SERVICE, INC.
Owner Type:	Other
Operator Name:	PETE FERREIRA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

JASPER'S AUTO SERVICE INC (Continued) **1024788540**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JASPER'S AUTO SERVICE, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11648 ARTESIA BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-3820

JASPER'S AUTO SERVICE INC (Continued) **1024788540**

Owner/Operator Telephone:	562-865-1761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PETE FERREIRA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11648 ARTESIA BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-1761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19910215
Handler Name:	JASPER'S AUTO SERVICE INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

G44 **CERRITOS AUTO BODY** **CERS HAZ WASTE** **S123498664**
SSW **11656 E ARTESIA BLVD** **CERS** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.052 mi.
277 ft. **Site 1 of 3 in cluster G**

Relative: **Lower**

Actual: **59 ft.**

CERS HAZ WASTE:

Name:	CERRITOS AUTO BODY
Address:	11656 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	104297
CERS ID:	10289719
CERS Description:	Hazardous Waste Generator

CERRITOS AUTO BODY (Continued) **S123498664**

CERS:

Name:	CERRITOS AUTO BODY
Address:	11656 E ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	104297
CERS ID:	10289719
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	104297
Site Name:	CERRITOS AUTO BODY
Violation Date:	11-13-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/13/2017. OBSERVATION: Observed one 55-gallon used oil and one 55-gallon waste antifreeze with faded and incomplete labels. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled. Operator re-labeled the containers at the time of inspection.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	104297
Site Name:	CERRITOS AUTO BODY
Violation Date:	10-21-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/15/2015. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan by 11/20/2014]. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	104297
Site Name:	CERRITOS AUTO BODY
Violation Date:	01-22-2021
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	OBSERVATION: Copies of hazardous waste disposal records (manifest/bill

CERRITOS AUTO BODY (Continued) **S123498664**

of lading/receipts, etc) were not available at the time of inspection for the following: - used oil - waste antifreeze - waste paint solvent - waste paint Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three (3) years and have them readily available for review. CORRECTIVE ACTION: Locate the copies of the hazardous waste disposal records (manifest/bill of lading/receipts, etc) for the last 3 years and send a copy via email to CUPA inspector. Complete then submit the Certification of Compliance via email to CUPA inspector on or before the compliance date

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 11-13-2017
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 11/13/2017. OBSERVATION: Observed accumulation of waste antifreeze on top of the 55-gallon waste antifreeze drum. CORRECTIVE ACTION: Submit photos/documentation to the CUPA demonstrating the spill has been properly removed and managed. Operator cleanup the spill at the time of inspection.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 01-22-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/19/2021. OBSERVATION: One 55-gallon metal drum containing used oil and one 55-gallon drum containing waste antifreeze stored inside a HW shed with faded HazWaste label, markings including the accumulation start date is unclear. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. If the accumulation date can be determined, affix the required markings and submit a photo to CUPA demonstrating that the containers listed above have been properly labeled. However, if the accumulation date cannot be determined, properly dispose of the

CERRITOS AUTO BODY (Continued) **S123498664**

hazardous wastes listed above and send a copy of the hazardous waste disposal record/manifest via email to CUPA [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 01-22-2021
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 02/19/2021. OBSERVATION: Observed accumulation of possible oil/antifreeze inside the spill containment pallet for the two 55-gallon drums containing used oil and/or waste antifreeze. CORRECTIVE ACTION: Electronically submit to CUPA inspector, the photo(s) demonstrating the the spill containment pallet have been properly managed, along with the completed and signed Certification of Compliance.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 10-21-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 01/15/2015. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA by 11/20/2014.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 11-13-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 01/17/2018. OBSERVATION: One 55-gallon used oil and one 55-gallon waste antifreeze were observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container

CERRITOS AUTO BODY (Continued) **S123498664**

listed above has been properly closed.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 11-13-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/13/2017. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Operator completed the annual certification at the time of inspection.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 104297
Site Name: CERRITOS AUTO BODY
Violation Date: 11-13-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 11/13/2017. OBSERVATION: The generator's EPA ID number (CAL000284807) is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have reactivated the facility's EPA ID number. Operator completed the application for re-activating the facility's EPA ID at the time of inspection.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-15-2015
Violations Found: No

CERRITOS AUTO BODY (Continued) **S123498664**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: MARCOS RAMOS ADJUSTER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Patel, Owner Moises Romero, Estimator
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-15-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: MARCOS RAMOS ADJUSTER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Patel, Owner Moises Romero, Estimator
Eval Division: Los Angeles County Fire Department

CERRITOS AUTO BODY (Continued) **S123498664**

Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ROGER PATEL
Entity Title: Not reported
Affiliation Address: 11656 E. ARTESIA BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: ROGER PATEL
Entity Title: Not reported
Affiliation Address: 11656 E ARTESIA BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (714) 608-1951

Affiliation Type Desc: Operator
Entity Name: ROGER PATEL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 608-1951

Affiliation Type Desc: Document Preparer
Entity Name: ROGER PATEL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

CERRITOS AUTO BODY (Continued) **S123498664**

Affiliation Address:	11656 ARTESIA BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	ROGER PATEL
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CERRITOS AUTO BODY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

G45 **CERRITOS AUTO BODY INC** **RCRA NonGen / NLR** **1026054274**
SSW **11656 ARTESIA BLVD** **CAL000284807**
< 1/8 **ARTESIA, CA 90701**
0.052 mi.
277 ft. **Site 2 of 3 in cluster G**

Relative: **Lower**

Actual: **59 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20040721
Handler Name:	CERRITOS AUTO BODY INC	
Handler Address:		11656 ARTESIA BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000284807
Contact Name:		RAJESH PATEL
Contact Address:		11656 ARTESIA BLVD
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-860-4448
Contact Fax:		562-860-4835
Contact Email:		RPATEL@CERRITOSAUTOBODY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11656 ARTESIA BLVD
Mailing City,State,Zip:		ARTESIA, CA 90701

CERRITOS AUTO BODY INC (Continued) **1026054274**

Owner Name:	RAJESH PATEL
Owner Type:	Other
Operator Name:	RAJESH PATEL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

CERRITOS AUTO BODY INC (Continued) **1026054274**

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: RAJESH PATEL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11656 ARTESIA BLVD
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-860-4448
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RAJESH PATEL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7002 SOMERSET CIR
Owner/Operator City,State,Zip: LA PALMA, CA 90623-1112
Owner/Operator Telephone: 714-608-1951
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040721
Handler Name: CERRITOS AUTO BODY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G46
SSW
< 1/8
0.052 mi.
277 ft.

Relative:
Lower

Actual:
59 ft.

CERRITOS AUTO COLLISION INC
11656 ARTESIA
ARTESIA, CA 90701

Site 3 of 3 in cluster G

Database(s): RCRA-SQG, FINDS, ECHO, EMI, HAZNET, LOS ANGELES CO. HMS, HWTS

EDR ID Number: 1000363048
EPA ID Number: CAD094441581

RCRA-SQG:

Date Form Received by Agency:	19860822
Handler Name:	CERRITOS AUTO COLLISION INC
Handler Address:	11656 ARTESIA
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAD094441581
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	11656 ARTESIA BLVD
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	CHRIS PAPPAS
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHRIS PAPPAS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860822
Handler Name: CERRITOS AUTO COLLISION INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002424760

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000363048
Registry ID: 110002424760
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002424760
Name: CERRITOS AUTO BODY INC
Address: 11656 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

EMI:

Name:	CERRITOS AUTO COLLISION INC
Address:	11656 ARTESIA BL
City,State,Zip:	ARTESIA, CA 907010000
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	48009
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CERRITOS AUTO COLLISION INC
Address:	11656 ARTESIA BL
City,State,Zip:	ARTESIA, CA 907010000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	48009
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CERRITOS AUTO COLLISION INC
Address:	11656 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 907010000
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	48009
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CERRITOS AUTO BODY
Address: 11656 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Year: 2016
County Code: 19
Air Basin: SC
Facility ID: 141128
Air District Name: SC
SIC Code: 7532
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.74949672445
Reactive Organic Gases Tons/Yr: 0.72097
Carbon Monoxide Emissions Tons/Yr: 0.00486
NOX - Oxides of Nitrogen Tons/Yr: 0.01802
SOX - Oxides of Sulphur Tons/Yr: 8.32e-005
Particulate Matter Tons/Yr: 0.00617
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0059128

HAZNET:
Name: CERRITOS AUTO COLLISION INC
Address: 11656 ARTESIA
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907010000
Contact: CHRIS PAPPAS
Telephone: 5628604448
Mailing Name: Not reported
Mailing Address: 11656 ARTESIA BLVD

Year: 2005
Gepaid: CAD094441581
TSD EPA ID: CAD008302903
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.234

Year: 2005
Gepaid: CAD094441581
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.108

Year: 2004
Gepaid: CAD094441581
TSD EPA ID: CAD008302963
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.072

Year: 2004
Gepaid: CAD094441581

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

TSD EPA ID: CAD008302903
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 1.3068

Year: 2003
Gepaid: CAD094441581
TSD EPA ID: CAD008302903
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 1.7316

Year: 2002
Gepaid: CAD094441581
TSD EPA ID: CAD008302903
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 1.8108

Year: 2001
Gepaid: CAD094441581
TSD EPA ID: CAD008302903
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 1.35

Year: 2001
Gepaid: CAD094441581
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.252

Year: 2000
Gepaid: CAD094441581
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.1152

Year: 2000
Gepaid: CAD094441581
TSD EPA ID: CAD008302903
CA Waste Code: 461 - Paint sludge
Disposal Method: R01 - Recycler
Tons: 0.9838

Click this hyperlink while viewing on your computer to access
12 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2002
Gen EPA ID: CAD094441581

Shipment Date: 20021230
Creation Date: 4/1/2003 18:31:07

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Receipt Date:	20030102
Manifest ID:	22132665
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1368
Waste Quantity:	38
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021202
Creation Date:	2/25/2003 18:31:38
Receipt Date:	20021202
Manifest ID:	22132458
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.144
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021031
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021106
Manifest ID:	21979300
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020923
Creation Date:	1/27/2003 18:33:26
Receipt Date:	20020925
Manifest ID:	21988381
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020826
Creation Date:	3/14/2003 18:31:30
Receipt Date:	20020828
Manifest ID:	21988271
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1656
Waste Quantity:	46
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020729
Creation Date:	1/21/2003 18:30:55
Receipt Date:	20020731
Manifest ID:	21988104
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1692
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020612
Creation Date:	7/19/2002 15:57:28
Receipt Date:	20020612
Manifest ID:	21617598
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1512
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020520
Creation Date:	7/17/2002 18:35:51
Receipt Date:	20020522
Manifest ID:	21617484
Trans EPA ID:	CAD982440364

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020422
Creation Date:	7/29/2002 18:39:34
Receipt Date:	20020423
Manifest ID:	21282787
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.144
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020325
Creation Date:	7/29/2002 18:35:10
Receipt Date:	20020327
Manifest ID:	21278790
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Meth Code:	R01 - Recycler
Quantity Tons:	0.1512
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD094441581
Shipment Date:	20041206
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041206
Manifest ID:	22762641
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0648
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041011
Creation Date:	12/21/2004 18:30:50
Receipt Date:	20041012
Manifest ID:	23762266
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302963
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040830
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040902
Manifest ID:	23762103
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040802
Creation Date:	1/6/2005 9:07:07
Receipt Date:	20040805
Manifest ID:	23762009
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0828
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040714
Creation Date:	11/1/2004 9:00:46
Receipt Date:	20040714
Manifest ID:	23761916

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040621
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040621
Manifest ID:	23761764
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040527
Creation Date:	10/15/2004 10:47:43
Receipt Date:	20040527
Manifest ID:	23761704
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0972
Waste Quantity:	27
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040510
Creation Date:	10/15/2004 8:41:08
Receipt Date:	20040512
Manifest ID:	23761636
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040419
Creation Date:	10/14/2004 7:35:58
Receipt Date:	20040419
Manifest ID:	22767042
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.144
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 5:	Not reported
Shipment Date:	20040317
Creation Date:	8/23/2004 8:25:08
Receipt Date:	20040319
Manifest ID:	22766973
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD094441581
Shipment Date:	19930713
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930713
Manifest ID:	92600240
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.126
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930602
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Manifest ID:	92589071
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0864
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930511
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930511
Manifest ID:	92515673
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0936
Waste Quantity:	26
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930419
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930419
Manifest ID:	92513802
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.126
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930329
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930329
Manifest ID:	92040643
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930308
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930308
Manifest ID:	92037343
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930216
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930216
Manifest ID:	92035534
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930125
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930125
Manifest ID:	92033561
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.126
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD094441581
Shipment Date:	20001229
Creation Date:	3/22/2001 0:00:00

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Receipt Date:	20001229
Manifest ID:	20609861
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1152
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001204
Creation Date:	1/24/2001 0:00:00
Receipt Date:	20001208
Manifest ID:	20495518
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001115
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001117
Manifest ID:	20495459
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0625
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001026
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001027
Manifest ID:	20495347
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1334
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001004
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20001006
Manifest ID:	20495275
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0959
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000922
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000929
Manifest ID:	20495206
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0959
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000906
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000908
Manifest ID:	20263929
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1084
Waste Quantity:	26
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000816
Creation Date:	9/25/2000 0:00:00
Receipt Date:	20000818
Manifest ID:	20263819
Trans EPA ID:	CAR000036673

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000724
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000728
Manifest ID:	20263740
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1793
Waste Quantity:	43
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000628
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000630
Manifest ID:	20263614
Trans EPA ID:	CAR000036673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Meth Code:	R01 - Recycler
Quantity Tons:	0.1084
Waste Quantity:	26
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD094441581
Shipment Date:	20050812
Creation Date:	10/28/2005 18:30:54
Receipt Date:	20050812
Manifest ID:	24102034
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC COAST LACQUER
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050615
Creation Date:	8/17/2005 18:33:44
Receipt Date:	20050617
Manifest ID:	23762480
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050321
Creation Date:	5/29/2005 18:31:56
Receipt Date:	20050325
Manifest ID:	24153217
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0612
Waste Quantity:	17
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050207
Creation Date:	6/3/2005 18:31:06
Receipt Date:	20050207
Manifest ID:	24152606
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0648
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD094441581

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Shipment Date:	19990309
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990309
Manifest ID:	98724146
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD094441581

Shipment Date:	20031222
Creation Date:	7/30/2004 18:31:14
Receipt Date:	20031230
Manifest ID:	22762524
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031124
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031201
Manifest ID:	22762470
Trans EPA ID:	CAD982440364

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031110
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031114
Manifest ID:	22768376
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031027
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20031031
Manifest ID:	22768231
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Meth Code:	R01 - Recycler
Quantity Tons:	0.126
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030929
Creation Date:	8/3/2004 7:33:04
Receipt Date:	20031003
Manifest ID:	22768174
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030915
Creation Date:	7/29/2004 7:46:19
Receipt Date:	20030915
Manifest ID:	22768092
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Shipment Date:	20030903
Creation Date:	7/29/2004 7:46:19
Receipt Date:	20030909
Manifest ID:	22768032
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030825
Creation Date:	7/28/2004 10:48:03
Receipt Date:	20030826
Manifest ID:	22417559
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030811
Creation Date:	7/26/2004 18:31:36
Receipt Date:	20030812
Manifest ID:	22417482
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030728
Creation Date:	7/23/2004 13:22:40
Receipt Date:	20030730
Manifest ID:	22417417
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD094441581

Shipment Date:	19940713
Creation Date:	10/11/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90400774
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940713
Creation Date:	10/11/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90400774
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Meth Code:	- Not reported
Quantity Tons:	0.0957
Waste Quantity:	29
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD094441581
Shipment Date:	20011217
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011218
Manifest ID:	20756784
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011119
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011120
Manifest ID:	21142305
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1332
Waste Quantity:	37
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011022
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011023
Manifest ID:	20756488
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010910
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010911
Manifest ID:	21142087

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1332
Waste Quantity:	37
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010813
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010813
Manifest ID:	21041068
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010730
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010730
Manifest ID:	21040999
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.126
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010702
Creation Date:	8/24/2001 0:00:00
Receipt Date:	20010702
Manifest ID:	20823852
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0936
Waste Quantity:	26
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010604
Creation Date:	7/20/2001 0:00:00
Receipt Date:	20010604
Manifest ID:	20760645
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Additional Code 5:	Not reported
Shipment Date:	20010507
Creation Date:	6/27/2001 0:00:00
Receipt Date:	20010507
Manifest ID:	20748635
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010326
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010327
Manifest ID:	20748629
Trans EPA ID:	CAD982440364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES CO. HMS:

Name:	CERRITOS AUTO BODY
Address:	11656 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Region:	LA
Permit Category:	I
Facility Id:	000407-I00409

CERRITOS AUTO COLLISION INC (Continued) **1000363048**

Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000007059
Permit Status: Closed

Name: CERRITOS AUTO BODY
Address: 11656 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: I
Facility Id: 000407-045041
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000564148
Permit Status: Permit

HWTS:
Name: CERRITOS AUTO COLLISION INC
Address: 11656 ARTESIA
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907010000
EPA ID: CAD094441581
Inactive Date: 06/30/2005
Create Date: 04/10/1987
Last Act Date: 05/25/2007
Mailing Name: Not reported
Mailing Address: 11656 ARTESIA BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: ARTESIA, CA 907010000
Owner Name: CHRIS PAPPAS
Owner Address: 11656 ARTESIA BLVD
Owner Address 2: Not reported
Owner City,State,Zip: ARTESIA, CA 907013802
Contact Name: CHRIS PAPPAS
Contact Address: 11656 ARTESIA BLVD
Contact Address 2: Not reported
City,State,Zip: ARTESIA, CA 907013802

D47 **INSIGHT SHOOTING RANGE INC** **RCRA NonGen / NLR** **1024813363**
NNW **17020 ALBURTIS AVE** **CAL000303717**
< 1/8 **ARTESIA, CA 90701**
0.054 mi.
285 ft. **Site 2 of 5 in cluster D**

Relative: **Lower**
Actual: **63 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20060222
Handler Name: INSIGHT SHOOTING RANGE INC
Handler Address: 17020 ALBURTIS AVE
Handler City,State,Zip: ARTESIA, CA 90701-2615
EPA ID: CAL000303717
Contact Name: MIKE PAK
Contact Address: 17020 ALBURTIS AVE
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-860-4365
Contact Fax: 562-860-4355

INSIGHT SHOOTING RANGE INC (Continued) **1024813363**

Contact Email:	INSIGHTRANGE@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17020 ALBURTIS AVE
Mailing City,State,Zip:	ARTESIA, CA 90701-2615
Owner Name:	INSIGHT SHOOTING RANGE INC
Owner Type:	Other
Operator Name:	MIKE PAK
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

INSIGHT SHOOTING RANGE INC (Continued) **1024813363**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INSIGHT SHOOTING RANGE INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17020 ALBURTIS AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	213-503-2794
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIKE PAK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17020 ALBURTIS AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-860-4365
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060222
Handler Name:	INSIGHT SHOOTING RANGE INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

INSIGHT SHOOTING RANGE INC (Continued) **1024813363**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D48 INSIGHT SHOOTING RANGE INC **CERS HAZ WASTE** **S113141285**
NNW 17020 ALBURTIS AVE **HAZNET** **N/A**
< 1/8 ARTESIA, CA 90701 **HWTS**
0.054 mi.
285 ft. **Site 3 of 5 in cluster D**

Relative: Lower
Actual: 63 ft.

CERS HAZ WASTE:
Name: INSIGHT SHOOTING RANGE INC
Address: 17020 ALBURTIS AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 124403
CERS ID: 10304071
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: MIKE PAK OPERATOR
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 124403
Facility Name: INSIGHT SHOOTING RANGE INC
Env Int Type Code: HWG
Program ID: 10304071
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.875760
Longitude: -118.085140

Affiliation:
Affiliation Type Desc: Property Owner

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Entity Name:	MIKE PAK
Entity Title:	Not reported
Affiliation Address:	17020 ALBURITS AVE
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 860-4365
Affiliation Type Desc:	Environmental Contact
Entity Name:	RAYMOND ROSALES
Entity Title:	Not reported
Affiliation Address:	1540 W FIRST STREET
Affiliation City:	AZUSA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91702
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	NAE CHAN PAK
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 503-2794
Affiliation Type Desc:	Parent Corporation
Entity Name:	INSIGHT SHOOTING RANGE INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	17020 ALBURTIS AVE
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: MIKE PAK
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: INSIGHT SHOOTING RANGE INC
Entity Title: Not reported
Affiliation Address: 17020 ALBURTIS AVE
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 860-4365

HAZNET:
Name: INSIGHT SHOOTING RANGE INC
Address: 17020 ALBURTIS AVE
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907012615
Contact: MIKE PAK
Telephone: 5628604365
Mailing Name: Not reported
Mailing Address: 17020 ALBURTIS AVE

Year: 2018
Gepaid: CAL000303717
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.00000

Year: 2017
Gepaid: CAL000303717
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.3

Year: 2016
Gepaid: CAL000303717
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.049

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Year:	2015
Gepaid:	CAL000303717
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.15
Year:	2014
Gepaid:	CAL000303717
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1
Year:	2013
Gepaid:	CAL000303717
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.2
Year:	2012
Gepaid:	CAL000303717
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07
Year:	2011
Gepaid:	CAL000303717
TSD EPA ID:	CAD003963592
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0815
Year:	2010
Gepaid:	CAL000303717
TSD EPA ID:	CAD003963592
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.0645
Year:	2009
Gepaid:	CAL000303717
TSD EPA ID:	CAD003963592
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.049

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET: record(s) in the EDR Site Report.

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Additional Info:

Year:	2012
Gen EPA ID:	CAL000303717
Shipment Date:	20120716
Creation Date:	10/19/2012 22:15:36
Receipt Date:	20120717
Manifest ID:	005330001FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000303717
Shipment Date:	20171027
Creation Date:	10/16/2018 18:31:43
Receipt Date:	20171106
Manifest ID:	017304966JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Additional Code 5:	Not reported
Shipment Date:	20170413
Creation Date:	5/12/2018 18:32:16
Receipt Date:	20170501
Manifest ID:	017119274JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000303717
Shipment Date:	20110425
Creation Date:	10/19/2011 18:30:46
Receipt Date:	20110505
Manifest ID:	006055123JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICES
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0815
Waste Quantity:	163
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Additional Info:

Year:	2006
Gen EPA ID:	CAL000303717
Shipment Date:	20061107
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061121
Manifest ID:	000027623WAS
Trans EPA ID:	CAD108040858
Trans Name:	TSM RECYCLING & RECOVERY
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENT MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CONDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060725
Creation Date:	10/5/2006 18:32:01
Receipt Date:	20060804
Manifest ID:	21538032
Trans EPA ID:	CAD982492399
Trans Name:	ALL CHEMICAL DISPOSAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000303717

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Shipment Date:	20130514
Creation Date:	9/30/2013 22:15:07
Receipt Date:	20130524
Manifest ID:	011252726JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000303717

Shipment Date:	20100318
Creation Date:	6/29/2010 18:30:25
Receipt Date:	20100331
Manifest ID:	005775103JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICES
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.0645
Waste Quantity:	129
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000303717

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Shipment Date:	20150420
Creation Date:	9/11/2015 22:15:30
Receipt Date:	20150501
Manifest ID:	013737168JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000303717

Shipment Date:	20140411
Creation Date:	9/6/2014 22:15:06
Receipt Date:	20140425
Manifest ID:	012528822JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Gen EPA ID: CAL000303717

Shipment Date: 20090408
Creation Date: 5/29/2009 18:30:32
Receipt Date: 20090409
Manifest ID: 004467079JJK
Trans EPA ID: CAD003963592
Trans Name: ECS REFINING
Trans 2 EPA ID: CAR000188201
Trans 2 Name: ENVIROSERV
TSDF EPA ID: CAD003963592
Trans Name: ECS REFINING TEXAS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 0.049
Waste Quantity: 98
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000303717

Shipment Date: 20150420
Creation Date: 9/11/2015 22:15:30
Receipt Date: 20150501
Manifest ID: 013737168JJK
Trans EPA ID: CAD981377864
Trans Name: IDR ENVIRONMENTAL SERVICES
Trans 2 EPA ID: CAD980585293
Trans 2 Name: INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

INSIGHT SHOOTING RANGE INC (Continued) **S113141285**

Name:	INSIGHT SHOOTING RANGE INC
Address:	17020 ALBURTIS AVE
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907012615
EPA ID:	CAL000303717
Inactive Date:	Not reported
Create Date:	02/22/2006
Last Act Date:	08/24/2020
Mailing Name:	Not reported
Mailing Address:	17020 ALBURTIS AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907012615
Owner Name:	INSIGHT SHOOTING RANGE INC
Owner Address:	17020 ALBURTIS AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 90701
Contact Name:	MIKE PAK
Contact Address:	17020 ALBURTIS AVE
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701

NAICS:

EPA ID:	CAL000303717
Create Date:	2006-02-22 14:58:55.553
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2006-02-22 14:58:55.49000
Inactive Date:	Not reported
Facility Name:	INSIGHT SHOOTING RANGE INC
Facility Address:	17020 ALBURTIS AVE
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	907012615

E49 **MIKE'S SHELL SERVICE** **EDR Hist Auto** **1008993530**
SE **11754 ARTESIA BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.063 mi.
335 ft. **Site 4 of 13 in cluster E**

Relative: EDR Hist Auto
Lower

Actual:
61 ft.

Year:	Name:	Type:
1970	MIKE'S SHELL SERVICE	Not reported

E50
SE
< 1/8
0.063 mi.
335 ft.

KOEUN PRINTING
11754 ARTESIA BLVD # C
ARTESIA, CA 90701

Site 5 of 13 in cluster E

CERS HAZ WASTE **S103944685**
LOS ANGELES CO. HMS **N/A**

Relative:
Lower

Actual:
61 ft.

CERS HAZ WASTE:

Name:	KOEUN PRINTING
Address:	11754 ARTESIA BLVD # C
City,State,Zip:	ARTESIA, CA 90701
Site ID:	42015
CERS ID:	10304521
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No significant violations. No hazardous waste pick ups since 2008.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11754 ARTESIA BLVD #C
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Parent Corporation
Entity Name:	KOEUN PRINTING
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	SHIN KWANG SIK
Entity Title:	Not reported
Affiliation Address:	11754 ARTESIA BLVD #C

KOEUN PRINTING (Continued) **S103944685**

Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 809-8907

LOS ANGELES CO. HMS:
Name: KOEUN PRINTING
Address: 11754 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: Not reported
Facility Id: 019083-027372
Facility Type: Not reported
Facility Status: OPEN
Area: 1D
Permit Number: Not reported
Permit Status: Not reported

F51 **ELITE CONSTRUCTION EQUIPMENT INC** **RCRA NonGen / NLR** **1024852392**
West **17223 JERSEY AVE** **CAL000411485**
< 1/8 **ARTESIA, CA 90701**
0.066 mi.
348 ft. **Site 2 of 3 in cluster F**

Relative: **Higher**

Actual: **64 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20151022
Handler Name: ELITE CONSTRUCTION EQUIPMENT INC
Handler Address: 17223 JERSEY AVE
Handler City,State,Zip: ARTESIA, CA 90701-2638
EPA ID: CAL000411485
Contact Name: GARY RUCK
Contact Address: 17223 JERSEY AVE
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-924-0444
Contact Fax: 562-924-0442
Contact Email: GRUCK@ELITECONSTRUCTIONEQUIPMENT.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 17223 JERSEY AVE
Mailing City,State,Zip: ARTESIA, CA 90701-2638
Owner Name: ELITE CONSTRUCTION EQUIPMENT INC
Owner Type: Other
Operator Name: GARY RUCK
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

ELITE CONSTRUCTION EQUIPMENT INC (Continued) **1024852392**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ELITE CONSTRUCTION EQUIPMENT INC

ELITE CONSTRUCTION EQUIPMENT INC (Continued) **1024852392**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	468 N ROSEMEAD BLVD
Owner/Operator City,State,Zip:	PASADENA, CA 91107
Owner/Operator Telephone:	626-351-8800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GARY RUCK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17223 JERSEY AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-924-0444
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20151022
Handler Name:	ELITE CONSTRUCTION EQUIPMENT INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F52 **ELITE CONSTRUCTION EQUIPMENT INC** **CERS HAZ WASTE** **S124907339**
West **17223 JERSEY AVE** **HAZNET** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS**
0.066 mi. **HWTS**
348 ft. **Site 3 of 3 in cluster F**

Relative: Higher
Actual: 64 ft.

CERS HAZ WASTE:
Name: ELITE CONSTRUCTION EQUIPMENT
Address: 17223 JERSEY AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 572143
CERS ID: 10864483
CERS Description: Hazardous Waste Generator

HAZNET:
Name: ELITE CONSTRUCTION EQUIPMENT INC
Address: 17223 JERSEY AVE
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907012638
Contact: GARY RUCK
Telephone: 5629240444
Mailing Name: Not reported
Mailing Address: 17223 JERSEY AVE

Year: 2019
Gepaid: CAL000411485
TSD EPA ID: CAT080013352
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.18700

CERS:
Name: ELITE CONSTRUCTION EQUIPMENT
Address: 17223 JERSEY AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 572143
CERS ID: 10864483
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 572143
Site Name: ELITE CONSTRUCTION EQUIPMENT
Violation Date: 01-14-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/15/2021. OBSERVATION: The following hazardous waste containers were missing the required markings: - Two 55 gallon drums used to store used motor oil - One 55 gallon drum used to store waste coolant CORRECTIVE ACTION: All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6)

ELITE CONSTRUCTION EQUIPMENT INC (Continued) **S124907339**

accumulation start date. If the accumulation date can be determined, affix the required markings and provide a photo to CUPA inspector via email demonstrating that the containers listed above have been properly labeled. However, if the accumulation date cannot be determined, properly dispose of the hazardous wastes listed above and provide a copy of the manifest via email to CUPA Inspector. Complete and electronically submit the Certification of Compliance to CUPA Inspector via email

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 572143
Site Name: ELITE CONSTRUCTION EQUIPMENT
Violation Date: 01-14-2021
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/17/2021. OBSERVATION: An owner/operator is required to establish and implement a Hazardous Materials Business Plan (HMBP) for storing hazardous materials/wastes at or above the threshold quantities of 55 gallons of liquid/500 pound of solids/200 cubic feet of gas. The following were observed at the time of inspection: Two 55 gallon drums used to store used motor oil Three 55 gallon drums containing new motor oil One 55 gallon drum containing new coolant One 125 gallon (4,550 cubic feet) of propane CORRECTIVE ACTIONS: Establish and implement your HMBP; submit your HMBP via California Environmental Reporting System (CERS) http://cers.calepa.ca.gov/. Complete and submit the Certification of Compliance to CUPA inspector.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: GARY RUCK PARTS MANAGER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: GARY RUCK PARTS MANAGER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

ELITE CONSTRUCTION EQUIPMENT INC (Continued) **S124907339**

Affiliation Type Desc:	Environmental Contact
Entity Name:	GARY RUCK
Entity Title:	Not reported
Affiliation Address:	17223 jeresy ave
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	GARY RUCK
Entity Title:	PARTS MNAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	ELITE CONSTRUCTION EQUIPMENT LLC.
Entity Title:	Not reported
Affiliation Address:	17223 jeresy ave
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 924-0444

Affiliation Type Desc:	Parent Corporation
Entity Name:	elite construction equipment
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	ELITE CONSTRUCTION EQUIPMENT LLC
Entity Title:	Not reported
Affiliation Address:	17223 jeresy ave
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 924-0444

Affiliation Type Desc:	Document Preparer
Entity Name:	Joseph
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

ELITE CONSTRUCTION EQUIPMENT INC (Continued) **S124907339**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 17223 jeresy ave
Affiliation City: Artesia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: ELITE CONSTRUCTION EQUIPMENT LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 924-0444

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

HWTS:
Name: ELITE CONSTRUCTION EQUIPMENT INC
Address: 17223 JERSEY AVE
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907012638
EPA ID: CAL000411485
Inactive Date: Not reported
Create Date: 10/22/2015
Last Act Date: 07/20/2020
Mailing Name: Not reported
Mailing Address: 17223 JERSEY AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: ARTESIA, CA 907012638
Owner Name: ELITE CONSTRUCTION EQUIPMENT INC
Owner Address: 468 N ROSEMEAD BLVD
Owner Address 2: Not reported
Owner City,State,Zip: PASADENA, CA 91107
Contact Name: GARY RUCK
Contact Address: 17223 JERSEY AVE
Contact Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701

NAICS:

ELITE CONSTRUCTION EQUIPMENT INC (Continued) **S124907339**

EPA ID:	CAL000411485
Create Date:	2015-10-22 11:53:59.390
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2015-10-22 11:53:59.37700
Inactive Date:	Not reported
Facility Name:	ELITE CONSTRUCTION EQUIPMENT INC
Facility Address:	17223 JERSEY AVE
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	907012638

D53 **MANFIELD PARTNERSHIP #2** **RCRA-LQG** **1024876928**
NNW **17004 ALBURTIS AVENUE** **CAR000284182**
< 1/8 **ARTESIA, CA 90701**
0.069 mi.
364 ft. **Site 4 of 5 in cluster D**

Relative: **Lower**

Actual: **62 ft.**

RCRA-LQG:

Date Form Received by Agency:	20180525
Handler Name:	MANFIELD PARTNERSHIP #2
Handler Address:	17004 ALBURTIS AVENUE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAR000284182
Contact Name:	JEREMY WEINSTEIN
Contact Address:	N CAMDEN DRIVE STE 820
Contact City,State,Zip:	BEVERLY HILLS, CA 90210
Contact Telephone:	310-550-1570 230
Contact Fax:	310-550-1826
Contact Email:	JWEINSTEIN@NSBINC.COM
Contact Title:	PROPERTY MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	N CAMDEN DRIVE STE 820
Mailing City,State,Zip:	BEVERLY HILLS, CA 90210
Owner Name:	MANFIELD PARTNERSHIP #2
Owner Type:	Private
Operator Name:	DEVRAJ P. KERAY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

MANFIELD PARTNERSHIP #2 (Continued) **1024876928**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180530
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

Handler - Owner Operator:

MANFIELD PARTNERSHIP #2 (Continued) **1024876928**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DEVRAJ P. KERAY
Legal Status:	Private
Date Became Current:	20091101
Date Ended Current:	Not reported
Owner/Operator Address:	18601 PIONEER BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-809-9433
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	PIONEERCASHCARRY@AOL.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MANFIELD PARTNERSHIP #2
Legal Status:	Private
Date Became Current:	19901221
Date Ended Current:	Not reported
Owner/Operator Address:	433 N CAMDEN DRIVE STE 820
Owner/Operator City,State,Zip:	BEVERLY HILLS, CA 90210
Owner/Operator Telephone:	310-550-1570
Owner/Operator Telephone Ext:	230
Owner/Operator Fax:	310-550-1826
Owner/Operator Email:	JWEINSTEIN@NSBINC.COM

Historic Generators:

Receive Date:	20180525
Handler Name:	MANFIELD PARTNERSHIP #2
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	493110
NAICS Description:	GENERAL WAREHOUSING AND STORAGE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D54 **PRL GLASS SYSTEMS** **CPS-SLIC** **S102063553**
NNW **17004 ALBURTIS AVE** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS**
0.069 mi.
364 ft. **Site 5 of 5 in cluster D**

Relative:
Lower

Actual:
62 ft.

CPS-SLIC:

Name:	17004 ALBURTIS - (APN 7035-022-049)
Address:	17004 ALBURTIS AVENUE
City,State,Zip:	ARTESIA, CA 90701
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	06/26/2018
Global Id:	T10000011761
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.87574
Longitude:	-118.08579
Case Type:	Cleanup Program Site
Case Worker:	AF
Local Agency:	Not reported
RB Case Number:	1426
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LOS ANGELES CO. HMS:

Name:	PRL GLASS SYSTEMS
Address:	17004 ALBURTIS AVE
City,State,Zip:	ARTESIA, CA 907012615
Region:	LA
Permit Category:	I
Facility Id:	006702-020654
Facility Type:	01
Facility Status:	Closed
Area:	1D
Permit Number:	000013596
Permit Status:	Closed

CERS:

Name:	17004 ALBURTIS - (APN 7035-022-049)
Address:	17004 ALBURTIS AVENUE
City,State,Zip:	ARTESIA, CA 90701
Site ID:	440162
CERS ID:	T10000011761
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Anita FANG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 West 4th Street, Suite 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported

PRL GLASS SYSTEMS (Continued) **S102063553**

Affiliation Zip: Not reported
Affiliation Phone: 2135766730

E55 **SHELL SERVICE STATION** **RCRA NonGen / NLR** **1006805316**
ESE **17325 PIONEER BLVD** **FINDS** **CAR000125807**
< 1/8 **ARTESIA, CA 90701** **HAZNET**
0.086 mi. **HWTS**
455 ft. **Site 6 of 13 in cluster E**

Relative: **Lower**
Actual: **62 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20181217
Handler Name:	SHELL SERVICE STATION	
Handler Address:		17325 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90701-2707
EPA ID:		CAR000125807
Contact Name:		TESSA BEMIS
Contact Address:		285 DELAWARE AVE STE 500
Contact City,State,Zip:		BUFFALO, NY 14202
Contact Telephone:		716-362-8847
Contact Fax:		Not reported
Contact Email:		TESSA.BEMIS@GHD.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P O BOX 2648
Mailing City,State,Zip:		HOUSTON, TX 77252-2648
Owner Name:		EQUILON ENTERPRISES LLC DBA
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported

SHELL SERVICE STATION (Continued) **1006805316**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC DBA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SHELL SERVICE STATION (Continued) **1006805316**

Owner/Operator Indicator: Owner
Owner/Operator Name: EQUILON ENTERPRISES LLC DBA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 2648
Owner/Operator City,State,Zip: HOUSTON, TX 77252-2648
Owner/Operator Telephone: 713-241-5036
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181217
Handler Name: SHELL SERVICE STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20020814
Handler Name: SHELL SERVICE STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110070590212

Click Here:

Environmental Interest/Information System:

SHELL SERVICE STATION (Continued) **1006805316**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055896473

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

HAZNET:

Name:	SHELL SERVICE STATION
Address:	17325 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907012707
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO BOX 3127
Year:	2009
Gepaid:	CAR000125807
TSD EPA ID:	CAT080013352
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.22935
Year:	2009
Gepaid:	CAR000125807
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.045
Year:	2005
Gepaid:	CAR000125807
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.38
Year:	2004
Gepaid:	CAR000125807
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.09
Year:	2004
Gepaid:	CAR000125807

SHELL SERVICE STATION (Continued) **1006805316**

TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 0.021

Year: 2003
Gepaid: CAR000125807
TSD EPA ID: CAD008364432
CA Waste Code: 352 - Other organic solids
Disposal Method: R01 - Recycler
Tons: 0.015

Year: 2003
Gepaid: CAR000125807
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 0.4074

Year: 2003
Gepaid: CAR000125807
TSD EPA ID: CAD028409019
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: -
Tons: 0.168

Year: 2003
Gepaid: CAR000125807
TSD EPA ID: CAD028409019
CA Waste Code: -
Disposal Method: T01 - Treatment, Tank
Tons: Not reported

Year: 2003
Gepaid: CAR000125807
TSD EPA ID: CAD982484933
CA Waste Code: 512 - Other empty containers 30 gallons or more
Disposal Method: D99 - Disposal, Other
Tons: 0.1

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2009
Gen EPA ID: CAR000125807

Shipment Date: 20090903
Creation Date: 10/29/2009 18:30:19
Receipt Date: 20090904
Manifest ID: 005729262JJK
Trans EPA ID: CAR000148338
Trans Name: AMERICAN INTEGRATED SERVICES INC

SHELL SERVICE STATION (Continued) **1006805316**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090521
Creation Date:	6/17/2009 18:30:35
Receipt Date:	20090522
Manifest ID:	005956818JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAR000125807

Shipment Date:	20031125
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031125
Manifest ID:	22785179
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432

SHELL SERVICE STATION (Continued) **1006805316**

Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031106
Creation Date:	8/9/2004 8:48:13
Receipt Date:	20031107
Manifest ID:	22508127
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.4074
Waste Quantity:	97
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031001
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20031002
Manifest ID:	22050799
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982484933
Trans Name:	ECOLOGY CONTROL INDUSTRIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P

SHELL SERVICE STATION (Continued) **1006805316**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030129
Creation Date:	5/21/2003 18:32:18
Receipt Date:	20030203
Manifest ID:	22248660
Trans EPA ID:	CAR000031211
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030129
Creation Date:	5/21/2003 18:32:18
Receipt Date:	20030203
Manifest ID:	22248660
Trans EPA ID:	CAR000031211
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAR000125807

SHELL SERVICE STATION (Continued) **1006805316**

Shipment Date:	20051129
Creation Date:	1/4/2007 18:30:12
Receipt Date:	20051202
Manifest ID:	24778875
Trans EPA ID:	CAL922125668
Trans Name:	ADAMS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAR000125807

Shipment Date:	20021104
Creation Date:	2/13/2003 18:31:35
Receipt Date:	20021104
Manifest ID:	22241873
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982484933
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021014
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021014
Manifest ID:	22241877
Trans EPA ID:	CAD982030173

SHELL SERVICE STATION (Continued) **1006805316**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982484933
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021014
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021014
Manifest ID:	22241876
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982484933
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	2.5
Waste Quantity:	5000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021014
Creation Date:	2/7/2003 18:31:45
Receipt Date:	20021014
Manifest ID:	22241874
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001

SHELL SERVICE STATION (Continued) **1006805316**

Meth Code:	R01 - Recycler
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021014
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021014
Manifest ID:	22241875
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982484933
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000125807
Shipment Date:	20041206
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041206
Manifest ID:	23786039
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported

SHELL SERVICE STATION (Continued) **1006805316**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041105
Creation Date:	1/11/2005 18:30:51
Receipt Date:	20041105
Manifest ID:	23765913
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040730
Creation Date:	11/1/2004 12:36:11
Receipt Date:	20040730
Manifest ID:	23770895
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040730
Creation Date:	11/1/2004 12:36:11
Receipt Date:	20040730
Manifest ID:	23770895

SHELL SERVICE STATION (Continued) **1006805316**

Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040706
Creation Date:	1/18/2005 9:36:15
Receipt Date:	20040714
Manifest ID:	23615050
Trans EPA ID:	CAD983584681
Trans Name:	BESI
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040405
Creation Date:	10/1/2004 18:31:09
Receipt Date:	20040405
Manifest ID:	22785813
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

SHELL SERVICE STATION (Continued) **1006805316**

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SHELL SERVICE STATION
Address:	17325 PIONEER BLVD
Address 2:	S A P NO 135062
City,State,Zip:	ARTESIA, CA 907012707
EPA ID:	CAR000125807
Inactive Date:	11/03/2010
Create Date:	03/04/2003
Last Act Date:	01/07/2019
Mailing Name:	Not reported
Mailing Address:	285 DELAWARE AVE STE 500
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BUFFALO, NY 14202
Owner Name:	SHELL OIL PRODUCTS US
Owner Address:	PO BOX 3127
Owner Address 2:	Not reported
Owner City,State,Zip:	HOUSTON, TX 772530000
Contact Name:	TESSA BEMIS
Contact Address:	285 DELAWARE AVE STE 500
Contact Address 2:	Not reported
City,State,Zip:	BUFFALO, NY 14202

NAICS:

EPA ID:	CAR000125807
Create Date:	2003-10-23 13:13:52.000
NAICS Code:	44711
NAICS Description:	Gasoline Stations with Convenience Stores
Issued EPA ID Date:	2003-03-04 14:25:35.18700
Inactive Date:	2010-11-03 00:00:00
Facility Name:	SHELL SERVICE STATION
Facility Address:	17325 PIONEER BLVD
Facility Address 2:	S A P NO 135062
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	907012707

E56 **SHELL SERVICE STATION** **LUST** **1006805303**
ESE **17325 PIONEER UNIT C** **RCRA NonGen / NLR** **CAR000125674**
< 1/8 **ARTESIA, CA 90701** **Cortese**
0.086 mi.
455 ft. **Site 7 of 13 in cluster E**

Relative: **Lower**

Actual: **62 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-02242A	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	02165-026233	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603724499	
W Global ID:	Not reported	
Staff:	JFL	
Local Agency:	19000	
Cross Street:	ARTESIA BLVD.	
Enforcement Type:	SEL	
Date Leak Discovered:	11/8/2001	
Date Leak First Reported:		7/31/2003
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	7/31/2003	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		6/19/2003
Hist Max MTBE Conc in Groundwater:		310
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOE LENTINI	
RP Address:	P.O. BOX 7869	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	

SHELL SERVICE STATION (Continued) **1006805303**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

RCRA NonGen / NLR:

Date Form Received by Agency:		20020814
Handler Name:	SHELL SERVICE STATION	
Handler Address:		17325 PIONEER UNIT C
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAR000125674
Contact Name:		NORA CORTEZ
Contact Address:		12700 NORTHBOROUGH DR
Contact City,State,Zip:		HOUSTON, TX 77067-2508
Contact Telephone:		281-874-2224
Contact Fax:		Not reported
Contact Email:		NCCORTEZ@SHELLOPUS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12700 NORTHBOROUGH DR
Mailing City,State,Zip:		HOUSTON, TX 77067-2508
Owner Name:		EQUILON ENTERPRISES LLC DBA
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported

SHELL SERVICE STATION (Continued) **1006805303**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20041214
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC DBA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SHELL SERVICE STATION (Continued) **1006805303**

Historic Generators:
- Receive Date: 20020814
- Handler Name: SHELL SERVICE STATION
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

CORTESE:
- Name: SHELL OIL PRODUCTS US
- Address: 17325 PIONEER BLVD.
- City,State,Zip: ARTESIA, CA 90701
- Region: CORTESE
- Envirostor Id: Not reported
- Global ID: T0603724499
- Site/Facility Type: LUST CLEANUP SITE
- Cleanup Status: COMPLETED - CASE CLOSED
- Status Date: Not reported
- Site Code: Not reported
- Latitude: Not reported
- Longitude: Not reported
- Owner: Not reported
- Enf Type: Not reported
- Swat R: Not reported
- Flag: active
- Order No: Not reported
- Waste Discharge System No: Not reported
- Effective Date: Not reported
- Region 2: Not reported
- WID Id: Not reported
- Solid Waste Id No: Not reported
- Waste Management Uit Name: Not reported
- File Name: Active Open

E57
ESE
< 1/8
0.086 mi.
455 ft.

SHELL NICK SERVICE
17325 PIONEER BLVD
ARTESIA, CA 90701

Site 8 of 13 in cluster E

EDR Hist Auto **1020883046**
N/A

Relative:
Lower

Actual:
62 ft.

EDR Hist Auto

Year:	Name:	Type:
1977	SAMPLE KENNETH	Gasoline Service Stations
1978	SAMPLE KENNETH	Gasoline Service Stations
1979	SAMPLE KENNETH	Gasoline Service Stations
1980	T & S SHELL STATION	Gasoline Service Stations
1982	T & S SHELL STATION	Gasoline Service Stations
1983	T & S SHELL STATION	Gasoline Service Stations
1985	T & S SHELL STATION	Gasoline Service Stations
1986	T & S SHELL STATION	Gasoline Service Stations
1987	T & S SHELL STATION	Gasoline Service Stations
1988	T & S SHELL STATION	Gasoline Service Stations
1989	T & S SHELL STATION	Gasoline Service Stations, NEC
1994	PIONEER & ARTESIA SHELL	Gasoline Service Stations
1994	NICK SHELL SERVICE	Gasoline Service Stations
1995	PIONEER & ARTESIA SHELL	Gasoline Service Stations
1995	NICK SHELL SERVICE	Gasoline Service Stations
1996	PIONEER & ARTESIA SHELL	Gasoline Service Stations
1996	NICK SHELL SERVICE	Gasoline Service Stations
1997	SHELL NICK SERVICE	Gasoline Service Stations
1997	PIONEER & ARTESIA SHELL	Gasoline Service Stations
1998	SHELL NICK SERVICE	Gasoline Service Stations
1999	SHELL NICK SERVICE	Gasoline Service Stations
2000	SHELL NICK SERVICE	Gasoline Service Stations
2000	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2001	SHELL NICK SERVICE	Gasoline Service Stations
2001	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2002	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2002	SHELL NICK SERVICE	Gasoline Service Stations
2003	SHELL NICK SERVICE	Gasoline Service Stations
2003	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2004	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2004	SHELL NICK SERVICE	Gasoline Service Stations
2005	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2005	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2006	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2006	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2007	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2007	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2008	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2008	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2009	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2009	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2010	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2010	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2011	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2011	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2012	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2012	ALLIANCE FLEET SERVICES	Gasoline Service Stations
2013	SHELL NICK SERVICE	Gasoline Service Stations, NEC
2014	SHELL NICK SERVICE	Gasoline Service Stations, NEC

E58 **SHELL #204-0348-0500** **LUST** **S102436970**
ESE **17325 PIONEER BLVD** **Cortese** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS**
0.086 mi.
455 ft. **Site 9 of 13 in cluster E**

Relative: LUST REG 4:
Lower

Actual: Region: 4
62 ft. Regional Board: 04
County: Los Angeles
Facility Id: I-02242
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603702841
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ARTESIA BLVD
Enforcement Type: Not reported
Date Leak Discovered: 10/25/1993
Date Leak First Reported: 7/24/1995
Date Leak Record Entered: 9/12/1995
Date Confirmation Began: 1/25/1994
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/12/1996
Date the Case was Closed: 8/12/1996
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 684.526918373475477861627763 46
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: 10/31/1994
Preliminary Site Assessment Began: 4/21/1995
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL COMPANY
RP Address: 511 BROOKHURST AVE N, ANAHEIM 92803
Program: LUST
Lat/Long: 33.873862 / -1
Local Agency Staff: Not reported

SHELL #204-0348-0500 (Continued) **S102436970**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 24FEB95 SOIL @ GW DEPTH 15FT BGS CONTAMINATION TPH(G)6908PPMBTEX 4,774/25,148/7,169/40,646 PPB @ 15FT BGS

CORTESE:
Name: SHELL #204-0348-0500
Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603702841
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SHELL #204-0348-0500
Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 250880
CERS ID: T0603702841
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200

SHELL #204-0348-0500 (Continued) **S102436970**

Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E59 **SHELL #135062 (NICK'S SHELL)** **UST** **U004357360**
ESE **17325 PIONEER BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.086 mi.
455 ft. **Site 10 of 13 in cluster E**

Relative:
Lower

Actual:
62 ft.

UST:

Name:	SHELL #135062 (NICK'S SHELL)
Address:	17325 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	LACoFA0020969
Permitting Agency:	Los Angeles County Fire Department
CERSID:	10279009
Latitude:	33.87344
Longitude:	-118.08265

E60 **CAL CRYSTAL INC DBA NICK SHELL SERVICE** **LUST** **S105126309**
ESE **17325 PIONEER BLVD** **CERS HAZ WASTE** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS TANKS**
0.086 mi. **HAZNET**
455 ft. **Site 11 of 13 in cluster E** **HIST CORTESE**
LOS ANGELES CO. HMS

Relative:
Lower

CERS
HWTS

Actual:
62 ft.

LUST:

Name:	SHELL OIL PRODUCTS US
Address:	17325 PIONEER BLVD.
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603724499
Global Id:	T0603724499
Latitude:	33.8734
Longitude:	-118.0826
Status:	Completed - Case Closed
Status Date:	01/23/2009
Case Worker:	JFL
RB Case Number:	I-02242A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	02165-026233
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603724499
Contact Type:	Local Agency Caseworker
Contact Name:	LAURA GAJDOS

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

Global Id: T0603724499
Contact Type: Regional Board Caseworker
Contact Name: JOE F. LUERA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH STREET, SUITE 200
City: LOS ANGELES
Email: joe.luera@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603724499
Action Type: ENFORCEMENT
Date: 01/23/2009
Action: Closure/No Further Action Letter

Global Id: T0603724499
Action Type: Other
Date: 07/31/2003
Action: Leak Reported

Global Id: T0603724499
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: ENFORCEMENT
Date: 01/13/2009
Action: Notification - Preclosure

Global Id: T0603724499

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: ENFORCEMENT
Date: 03/03/2004
Action: Staff Letter

Global Id: T0603724499
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 10/15/2008

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 04/15/2004
Action: Other Report / Document

Global Id: T0603724499
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603724499
Action Type: Other
Date: 11/08/2001
Action: Leak Discovery

Global Id: T0603724499
Action Type: REMEDIATION
Date: 11/08/2001
Action: Other (Use Description Field)

LUST:
Global Id: T0603724499
Status: Open - Case Begin Date
Status Date: 11/08/2001

Global Id: T0603724499
Status: Open - Site Assessment
Status Date: 07/31/2003

Global Id: T0603724499
Status: Completed - Case Closed
Status Date: 01/23/2009

Name: SHELL #204-0348-0500
Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702841

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Global Id:	T0603702841
Latitude:	33.873507783
Longitude:	-118.0825801
Status:	Completed - Case Closed
Status Date:	08/12/1996
Case Worker:	YR
RB Case Number:	I-02242
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603702841
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702841
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603702841
Action Type:	Other
Date:	07/24/1995
Action:	Leak Reported

Global Id:	T0603702841
Action Type:	Other
Date:	10/25/1993
Action:	Leak Discovery

LUST:

Global Id:	T0603702841
Status:	Open - Case Begin Date
Status Date:	10/25/1993

Global Id:	T0603702841
Status:	Open - Site Assessment
Status Date:	01/25/1994

Global Id:	T0603702841
Status:	Open - Site Assessment
Status Date:	10/31/1994

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Global Id: T0603702841
Status: Open - Site Assessment
Status Date: 04/21/1995

Global Id: T0603702841
Status: Completed - Case Closed
Status Date: 08/12/1996

CERS HAZ WASTE:
Name: SHELL #135062 (NICK'S SHELL)
Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 152989
CERS ID: 10279009
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: SHELL #135062 (NICK'S SHELL)
Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 152989
CERS ID: 10279009
CERS Description: Underground Storage Tank

HAZNET:
Name: CAL CRYSTAL INC DBA NICK SHELL SERVICE
Address: 17325 PIONEER BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
Contact: FAROOQ MEMON
Telephone: 5628655555
Mailing Name: Not reported
Mailing Address: 17325 PIONEER BLVD

Year: 2015
Gepaid: CAL000410514
TSD EPA ID: CAT080013352
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 10.49172

Additional Info:
Year: 2015
Gen EPA ID: CAL000410514

Shipment Date: 20151223
Creation Date: 3/5/2016 22:15:15
Receipt Date: 20151223
Manifest ID: 014287138JJK
Trans EPA ID: CAR000172874
Trans Name: ABLE ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	10.49172
Waste Quantity:	2516
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	SHELL #204-0348-0500
edr_fadd1:	17325 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	Not reported
Reg By:	Not reported
Reg Id:	Not reported

LOS ANGELES CO. HMS:

Name:	NICKS SHELL SERVICE
Address:	17325 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 907012707
Region:	LA
Permit Category:	I
Facility Id:	002165-062676
Facility Type:	01
Facility Status:	Permit
Area:	1D
Permit Number:	000922353
Permit Status:	Permit

CERS:

Name:	SHELL #135062 (NICK'S SHELL)
Address:	17325 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	152989
CERS ID:	10279009
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-09-2020
Citation:	23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)
Violation Description:	Failure to submit a copy of the spill containment test results on the G Spill Container Testing Report FormG to the UPA within 30 days after

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

	the test.
Violation Notes:	1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS 1)SUBMIT/UPLOAD
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-18-2018
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Returned to compliance on 05/04/2020. CERS- FIBERGLASS SUMPS AT FILL RISER.DELETE FLAPPER VALVE USING ATG.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-10-2019
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-20-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 02/05/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	04-18-2018
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 05/17/2018. OBSERVATION: Used oil/fuel filters must be properly managed accordingly to 22 CCR 16 66266.130; HSC 6.5 25250.22. The filters must be drained of free-flowing used oil, stored in an approved container with lid, labeled "Drained

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

used/fuel filters with accumulation date, and a bill of lading shall used to record the transder of used filters. -Observed a small pool of oil accumlating at the bottom of a drained used oil filter drum indicatin that the filters were not properly drained piror to placement inside the drum/ CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed by 05/18/18.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 05-13-2021
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 05/21/2021. OBSERVATION: Observed the following: * Accumulation of oil inside the spill containment pallet for the six 55 gallon drums containing used oil located near the dumpster * Accumulation of oil / debris inside the spill containment pallet under the 55 gallon drums containing used oil filter * Accumulation of oil inside the storage area: - on the floor around and behind the 275 gallon aboveground tank containing new oil - on top of the 275 gallon aboveground storage tank containing new oil - on the floor directly under the wall-mounted metal filter crusher - on the floor around the 55 gallon drum containing waste antifreeze CORRECTIVE ACTION: Properly dispose of all used oil; provide photo via email to CUPA inspector demonstrating the the spill containment pallet have been properly managed, along with the completed and signed Certification of Compliance.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2016
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 03-19-2020
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

	Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 05/04/2020. CERS-FACILITY,TANK INFO,FRCT,CFO LETTER,OSDO
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	03-19-2020
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 05/04/2020. CERS-FACILITY,TANK INFO,FRCT,CFO LETTER,OSDO
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-09-2020
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS 1)SUBMIT/UPLOAD
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-15-2014
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 11/25/2014.
Violation Division:	Los Angeles County Department of Public Works

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-15-2014
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 11/25/2014.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2017
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-15-2014
Citation: 23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description: Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes: Returned to compliance on 11/25/2014.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-10-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

	MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-20-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/05/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-10-2019
Citation:	23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description:	"Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "
Violation Notes:	Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	05-13-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	OBSERVATION: Hazardous Materials Inventory submitted to CERS on 2/17/2021 - indicated Largest container of 550 gallon drum for Used lubricating oil; observed on site 9 / 55 gallon drums used to store used oil - missing the 55 gallon drum containing waste antifreeze CORRECTIVE ACTION: Log in to CERS via cers.calepa.ca.gov, update and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities with accurate information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-20-2015
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain and maintain a valid operation permit from the CUPA.

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-10-2019
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 03-19-2020
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 05/04/2020. CERS-FACILITY,TANK INFO,FRCT,CFO LETTER,OSDO
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2016
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Violation Date:	10-03-2017
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 02/05/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	03-19-2020
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/04/2020. CERS-FACILITY,TANK INFO,FRCT,CFO LETTER,OSDO
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	04-18-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/17/2018. OBSERVATION: The business failed to complete and electronically submit chemical inventory accurate information for all reportable hazardous materials on site. -Review of CERS shows the following materials: clean motor oil @ 500 gallons and used oil @ 25 gallons. However, the following amounts were observed during time of inspection: clean oil (275 gallons) and used oil (550 gallons). CORRECTIVE ACTION: Update the chemical inventory information in CERS to reflect the actual amount of hazardous materials stored/used at the site by 05/18/18.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	04-18-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 05/17/2018. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6)

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

	accumulation start date. -Observed incomplete labels on all the used oil drums. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information by 05/18/18.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-10-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-15-2014
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 11/25/2014.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-03-2016
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	Returned to compliance on 02/05/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-09-2020
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS 1)SUBMIT/UPLOAD
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-20-2015
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2017
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the CUPA.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-20-2015
Citation: HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description: Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 04-18-2018
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

	stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 05/17/2018. OBSERVATION: Observed missing covers to (5 out of 10) drums of used oil. All containers of hazardous wastes shall have approved covers except for adding or removing wastes. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed by 05/18/18.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	09-05-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/10/2014. OBSERVATION: Owner/Operator failed to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site. CORRECTIVE ACTION: Complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	05-13-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 05/21/2021. OBSERVATION: The following hazardous waste containers were observed without the required markings: - 55 gallon drum containing waste antifreeze - 5 gallon bucket containing used oil CORRECTIVE ACTION: All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. If the accumulation date can be determined, affix the required markings and provide a photo to CUPA inspector via email demonstrating that the containers listed above have been properly labeled. However, if the accumulation date cannot be determined, properly dispose of the hazardous wastes listed above and provide a copy of the manifest via email to CUPA Inspector. Complete and submit the Certification of Compliance to CUPA Inspector via email
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	152989

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-10-2019
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-09-2020
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes:	1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS 1)SUBMIT/UPLOAD
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-03-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 02/05/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-20-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 02/05/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	152989
Site Name:	SHELL #135062 (NICK'S SHELL)
Violation Date:	10-10-2019
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE

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Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-09-2020
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: 1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS 1)SUBMIT/UPLOAD
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-18-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/04/2020. CERS- FIBERGLASS SUMPS AT FILL RISER.DELETE FLAPPER VALVE USING ATG.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-09-2020
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: 1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS 1)SUBMIT/UPLOAD
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-10-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 05/04/2020. 1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 152989
Site Name: SHELL #135062 (NICK'S SHELL)
Violation Date: 10-03-2016
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 02/05/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC FOR 10/15, 10/16 MONIT.CERT.,BUCKETS,LLDS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-17-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Farooq Memon (Owner)
Eval Division: Los Angeles County Fire Department

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Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC PERMIT COLD START,WITH INSTALLED VR 208 SENSORS ABOUT 10/15/13. NO WORK NOTIFICATION NO MONITOR CERT SUBMITTED.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jabeen Memon (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: FAROOQ MEMON Manager/ Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-05-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 1)2019 CTLS MISSING/NOT SUBMITTED TO LA CO DPW NOR UPLOADED IN CERS
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:1)101818 OVFL REJECTED DUE TO MISSING TECH NAME/SIG 2)CERS 3)OVFL TEST DONE LATE
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST

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Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:(1)CHANGE OF OWNERSHIP SUBMITTAL REQD;(2)UPDATE ALL UST INFO, FRCT + CFO LETTER ON CERS;(3)UPLOAD LDS CERT'2015 ON CERS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-19-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTION CREATED FOR TRACKING VIOLATION CERS-FACILITY,TANK INFO,FRCT,CFO LETTER,OSDO
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jabeen Memon (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: FAROOQ MEMON Manager/ Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-17-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Farooq Memon (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:1)100813 SP BKT TEST MISSING VAPOR RESULTS 2)CERS:OSDO (EXP'D)MP (CORRECT UDC SECTION)
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC-CERS- RISER SECONDARY CONTAINMENT IS FIBERGLASS,DELETE FLAPPER VALVE. ALL SENSORS OPERATING PROPERLY.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 152989
Facility Name: SHELL #135062 (NICK'S SHELL)
Env Int Type Code: HWG
Program ID: 10279009
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.873440
Longitude: -118.082650

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Farooq Memon
Entity Title: Not reported
Affiliation Address: 17325 PIONEER BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 17325 Pioneer Blvd
Affiliation City: Artesia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Jabeen Memon
Entity Title: Not reported
Affiliation Address: 17325 Pioneer Blvd
Affiliation City: Artesia

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Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-5555
Affiliation Type Desc:	Property Owner
Entity Name:	Cal Crystal, Inc
Entity Title:	Not reported
Affiliation Address:	17325 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-5555
Affiliation Type Desc:	Document Preparer
Entity Name:	Farooq Memon
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	SHELL #135062 (NICK'S SHELL)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Jabeen Memon
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-5555
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Cal Crystal, Inc
Entity Title:	Not reported
Affiliation Address:	17325 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-5555
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Jabeen Memon

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Entity Title: Not reported
Affiliation Address: 17325 Pioneer Blvd
Affiliation City: Artesia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 865-5555

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Identification Signer
Entity Name: Jabeen Memon
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator
Entity Name: Cal Crystal, Inc dba Nick shell services
Entity Title: Not reported
Affiliation Address: 17325 Pioneer Blvd
Affiliation City: Artesia
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 865-5555

Name: SHELL OIL PRODUCTS US
Address: 17325 PIONEER BLVD.
City,State,Zip: ARTESIA, CA 90701
Site ID: 207962
CERS ID: T0603724499
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: LAURA GAJDOS - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker

CAL CRYSTAL INC DBA NICK SHELL SERVICE (Continued) **S105126309**

Entity Name:	JOE F. LUERA - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	CAL CRYSTAL INC DBA NICK SHELL SERVICE
Address:	17325 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000410514
Inactive Date:	Not reported
Create Date:	09/18/2015
Last Act Date:	08/22/2020
Mailing Name:	Not reported
Mailing Address:	17325 PIONEER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	CAL CRYSTAL INC
Owner Address:	11518 178TH STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 90701
Contact Name:	FAROOQ MEMON
Contact Address:	17325 PIONEER BLVD
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701

NAICS:

EPA ID:	CAL000410514
Create Date:	2015-09-18 13:50:33.807
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2015-09-18 13:50:33.80300
Inactive Date:	Not reported
Facility Name:	CAL CRYSTAL INC DBA NICK SHELL SERVICE
Facility Address:	17325 PIONEER BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

E61
ESE
< 1/8
0.086 mi.
455 ft.

NICK'S SHELL SERVICE
17325 PIONEER BLVD
ARTESIA, CA 90701

Site 12 of 13 in cluster E

Relative:
Lower

Actual:
62 ft.

UST **U004346328**
N/A

UST:

Name:	NICK'S SHELL SERVICE
Address:	17325 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	26233
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.874788
Longitude:	-118.081298

E62
ESE
< 1/8
0.086 mi.
455 ft.

NICKS SHELL SERVICE
17325 PIONEER BLVD
ARTESIA, CA 90701

Site 13 of 13 in cluster E

Relative:
Lower

Actual:
62 ft.

SWEEPS UST **S102063614**
LOS ANGELES CO. HMS **N/A**

SWEEPS UST:

Name:	SHELL SERV STA
Address:	17325 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	2242
Number:	9
Board Of Equalization:	44-000074
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-002242-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	4

Name:	SHELL SERV STA
Address:	17325 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	2242
Number:	9
Board Of Equalization:	44-000074
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-002242-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

NICKS SHELL SERVICE (Continued) **S102063614**

Content: Not reported
Number Of Tanks: Not reported

Name: SHELL SERV STA
Address: 17325 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2242
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002242-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: SHELL SERV STA
Address: 17325 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2242
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002242-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: NICKS SHELL SERVICE
Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907012707
Region: LA
Permit Category: I
Facility Id: 002165-020454
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000073249
Permit Status: Closed

Name: NICK AUTO SERVICE INC

NICKS SHELL SERVICE (Continued) **S102063614**

Address: 17325 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907012707
Region: LA
Permit Category: T
Facility Id: 002165-055795
Facility Type: 0
Facility Status: Closed
Area: 1D
Permit Number: 000712104
Permit Status: Closed

H63 **L&K AUTO SERVICE** **CERS HAZ WASTE** **S103944664**
SW **11618 ARTESIA BLVD** **HAZNET** **N/A**
< 1/8 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.095 mi. **CERS**
499 ft. **Site 1 of 2 in cluster H** **HWTS**

Relative: **Lower**
Actual: **61 ft.**

CERS HAZ WASTE:
Name: L&K AUTO SERVICE
Address: 11618 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 128591
CERS ID: 10279801
CERS Description: Hazardous Waste Generator

HAZNET:
Name: L & K AUTO SERVICE
Address: 11618 ARTESIA BLVD STE 2
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
Contact: YI CHU
Telephone: 5652402786
Mailing Name: Not reported
Mailing Address: 11618 ARTESIA BLVD UNIT 2

Year: 2017
Gepaid: CAL000296051
TSD EPA ID: AZR000003681
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.1

Additional Info:
Year: 2017
Gen EPA ID: CAL000296051

Shipment Date: 20170814
Creation Date: 7/19/2018 18:30:11
Receipt Date: 20170829
Manifest ID: 006155363SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID: AZR000003681

L&K AUTO SERVICE (Continued) **S103944664**

Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES CO. HMS:

Name:	MARK'S AUTO REPAIR
Address:	11618 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Region:	LA
Permit Category:	Not reported
Facility Id:	019120-027418
Facility Type:	Not reported
Facility Status:	OPEN
Area:	1D
Permit Number:	Not reported
Permit Status:	Not reported

CERS:

Name:	L&K AUTO SERVICE
Address:	11618 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	128591
CERS ID:	10279801
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	128591
Site Name:	L&K Auto Service
Violation Date:	10-06-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/07/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for new motor oil (170 gallon) to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID: 128591

L&K AUTO SERVICE (Continued) **S103944664**

Site Name: L&K Auto Service
Violation Date: 10-06-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/07/2015. OBSERVATION: The annotated site map submitted to the CUPA does not include locations of emergency response equipment such as fire extinguishers and evacuation staging areas. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: YI CHU OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Yi Chu, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: YI CHU OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-12-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency

L&K AUTO SERVICE (Continued) **S103944664**

Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-06-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Yi Chu, Owner
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	128591
Facility Name:	L&K Auto Service
Env Int Type Code:	HWG
Program ID:	10279801
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.872910
Longitude:	-118.086490

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Yi Chu
Entity Title:	Not reported
Affiliation Address:	11618 Artesia Blvd
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Yi Chu
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Yi Chu
Entity Title:	Not reported
Affiliation Address:	11618 Artesia Blvd
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(652) 402-7868
Affiliation Type Desc:	Property Owner

L&K AUTO SERVICE (Continued) **S103944664**

Entity Name:	Mark Vanderheide
Entity Title:	Not reported
Affiliation Address:	11618 Artesia Blvd Unit 8
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 303-8340
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11618 Artesia Blvd
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Yi Chu
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 402-7868
Affiliation Type Desc:	Parent Corporation
Entity Name:	L & K AUTO SERVICE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Document Preparer
Entity Name:	Pacific Engineering & Consulting
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

L&K AUTO SERVICE (Continued) **S103944664**

Affiliation Phone: Not reported

HWTS:

Name:	L & K AUTO SERVICE
Address:	11618 ARTESIA BLVD STE 2
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000296051
Inactive Date:	Not reported
Create Date:	07/06/2005
Last Act Date:	08/04/2020
Mailing Name:	Not reported
Mailing Address:	11618 ARTESIA BLVD UNIT 2
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907010000
Owner Name:	YI CHU
Owner Address:	11618 ARTESIA BLVD UNIT 2
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 907010000
Contact Name:	YI CHU
Contact Address:	11618 ARTESIA BLVD UNIT 2
Contact Address 2:	Not reported
City,State,Zip:	NORWALK, CA 907013864

NAICS:

EPA ID:	CAL000296051
Create Date:	2005-07-06 09:34:23.003
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2005-07-06 09:34:22.89700
Inactive Date:	Not reported
Facility Name:	L & K AUTO SERVICE
Facility Address:	11618 ARTESIA BLVD STE 2
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

H64 **L & K AUTO SERVICE** **RCRA NonGen / NLR** **1024811659**
SW **11618 ARTESIA BLVD STE 2** **CAL000296051**
< 1/8 **ARTESIA, CA 90701**
0.095 mi.
499 ft. **Site 2 of 2 in cluster H**

Relative: **Lower**
Actual: **61 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20050706
Handler Name:	L & K AUTO SERVICE
Handler Address:	11618 ARTESIA BLVD STE 2
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000296051
Contact Name:	YI CHU
Contact Address:	11618 ARTESIA BLVD UNIT 2
Contact City,State,Zip:	NORWALK, CA 90701-3864
Contact Telephone:	565-240-2786
Contact Fax:	562-402-5828

L & K AUTO SERVICE (Continued) **1024811659**

Contact Email:	DTSC@PACIFICMGT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11618 ARTESIA BLVD UNIT 2
Mailing City,State,Zip:	ARTESIA, CA 90701-0000
Owner Name:	YI CHU
Owner Type:	Other
Operator Name:	YI CHU
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

L & K AUTO SERVICE (Continued) **1024811659**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	YI CHU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11618 ARTESIA BLVD UNIT 2
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-0000
Owner/Operator Telephone:	562-402-7868
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	YI CHU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11618 ARTESIA BLVD UNIT 2
Owner/Operator City,State,Zip:	NORWALK, CA 90701-3864
Owner/Operator Telephone:	565-240-2786
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20050706
Handler Name: L & K AUTO SERVICE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

L & K AUTO SERVICE (Continued) **1024811659**

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I65 **ROBINSON LEROY** **EDR Hist Auto** **1021735461**
East **17235 PIONEER BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.095 mi.
501 ft. **Site 1 of 2 in cluster I**

Relative: EDR Hist Auto
Lower

Actual: **63 ft.**

Year:	Name:	Type:
1971	ROBINSON LEROY	Gasoline Service Stations
1972	ROBINSON LEROY	Gasoline Service Stations
1973	ROBINSON LEROY	Gasoline Service Stations
1974	ROBINSON LEROY	Gasoline Service Stations
1976	ROBINSON LEROY	Gasoline Service Stations

J66 **VANDENBERG MFG CO INC** **HIST UST** **U001565268**
West **17306 ROSETON AVE** **NPDES** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.115 mi.
609 ft. **Site 1 of 4 in cluster J**

Relative: HIST UST:
Higher

Actual: **64 ft.**

Name: VANDENBERG MFG CO INC
Address: 17306 ROSETON AVE
City,State,Zip: ARTESIA, CA 90701
File Number: 0002852E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002852E.pdf
Region: STATE
Facility ID: 00000046906
Facility Type: Other
Other Type: MANUFACTURE
Contact Name: BEN W. VANDENBERG
Telephone: 2138656000
Owner Name: VANDENBERG MFG. CO., INC.
Owner Address: 17306 ROSETON AVE.
Owner City,St,Zip: ARTESIA, CA 90701
Total Tanks: 0002

Tank Num: 001
Container Num: 001
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

VANDENBERG MFG CO INC (Continued) **U001565268**

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 001
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: 0 1
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

NPDES:

Name: VANDENBERG MFG CO INC
Address: 17306 ROSETON AVE
City,State,Zip: ARTESIA, CA 90701
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19NEC005442
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 09/03/2019
Operator Name: Vandenberg Mfg Co Inc
Operator Address: 17306 roseton ave
Operator City: Artesia
Operator State: California
Operator Zip: 90701

Name: VANDENBERG MFG CO INC
Address: 17306 ROSETON AVE
City,State,Zip: ARTESIA, CA 90701
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: Not reported
Regulatory Measure Type: Industrial

VANDENBERG MFG CO INC (Continued) **U001565268**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	01/18/2021
Operator Name:	Vandenberg Mfg co inc
Operator Address:	17306 Roseton ave
Operator City:	Artesia
Operator State:	California
Operator Zip:	90701

Name:	VANDENBERG MFG CO INC
Address:	17306 ROSETON AVE
City,State,Zip:	ARTESIA, CA 90701
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	512246
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC005442
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/03/2019
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	17306 roseton ave
Discharge Name:	Vandenberg Mfg Co Inc
Discharge City:	Artesia
Discharge State:	California
Discharge Zip:	90701
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

J67 **VANDENBERG MFG CO. INC.** **RCRA NonGen / NLR** **1025834230**
West **17306 ROSETON AVE** **CAC003013809**
< 1/8 **ARTESIA, CA 90701**
0.115 mi.
609 ft. **Site 2 of 4 in cluster J**

Relative: **Higher**
Actual: **64 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20190507
Handler Name:	VANDENBERG MFG CO. INC.
Handler Address:	17306 ROSETON AVE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAC003013809
Contact Name:	BRADLEY VANDENBERG
Contact Address:	17306 ROSETON AVE
Contact City,State,Zip:	ARTESIA, CA 90701
Contact Telephone:	562-865-6000
Contact Fax:	562-865-7924
Contact Email:	LYNN@VANDENBERGMFG.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17306 ROSETON AVE
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	BRADLEY VANDENBERG
Owner Type:	Other
Operator Name:	BRADLEY VANDENBERG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

VANDENBERG MFG CO. INC. (Continued) **1025834230**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRADLEY VANDENBERG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17306 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRADLEY VANDENBERG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17306 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

VANDENBERG MFG CO. INC. (Continued) **1025834230**

Historic Generators:
Receive Date: 20190507
Handler Name: VANDENBERG MFG CO. INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J68 **VANDENBERG MFG CO** **SWEEPS UST** **S101587139**
West **17306 ROSETON AVE** **CA FID UST** **N/A**
< 1/8 **ARTESIA, CA**
0.115 mi.
609 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
64 ft.

SWEEPS UST:
Name: VANDENBERG MFG CO
Address: 17306 ROSETON AVE
City: ARTESIA
Status: Active
Comp Number: 11324
Number: 9
Board Of Equalization: 44-009243
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011324-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19054944
Regulated By: UTNKA

VANDENBERG MFG CO (Continued) **S101587139**

Regulated ID:	00046906
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	17306 ROSETON AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ARTESIA
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

K69 **FORMER MOBIL #18-GP9** **LUST** **S103281924**
ENE **17122 PIONEER BLVD S** **Cortese** **N/A**
< 1/8 **ARTESIA, CA 90701** **CERS**
0.119 mi.
630 ft. **Site 1 of 12 in cluster K**

Relative: **Lower**

Actual: **63 ft.**

LUST:

Name:	FORMER MOBIL #18-GP9
Address:	17122 PIONEER BLVD S
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702870
Global Id:	T0603702870
Latitude:	33.875014797
Longitude:	-118.082075173
Status:	Open - Verification Monitoring
Status Date:	01/25/2018
Case Worker:	NB
RB Case Number:	I-02871
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603702870
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702870
Contact Type:	Regional Board Caseworker
Contact Name:	NHAN BAO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200

FORMER MOBIL #18-GP9 (Continued) **S103281924**

City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:
Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 12/04/2007
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 02/12/2016
Action: Letter - Notice

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 04/13/2021
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 04/27/2021
Action: Email Correspondence

Global Id: T0603702870
Action Type: Other
Date: 06/17/1992
Action: Leak Reported

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Date: 04/15/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Quarterly

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2012
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2018
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2018
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/09/2018
Action: Correspondence

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2018
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2019
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 11/03/2015
Action: Notification - Public Participation Document

Global Id: T0603702870
Action Type: ENFORCEMENT

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Date: 10/26/2018
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 06/29/2018
Action: Closure Denial Letter - #2012-0062

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2012
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 06/29/2012
Action: Well Installation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2016
Action: Email Correspondence

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2017
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 06/29/2004
Action: 13267 Requirement

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 11/30/2004
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 12/18/2018
Action: Staff Letter

Global Id: T0603702870
Action Type: Other
Date: 06/16/1987
Action: Leak Stopped

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2005
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2005
Action: Interim Remedial Action Plan

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 08/15/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2011
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/06/2011
Action: Well Installation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 02/22/2005
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Date: 06/14/2018
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 02/09/2018
Action: Staff Letter

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Workplan

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Workplan

Global Id: T0603702870
Action Type: RESPONSE
Date: 02/15/2007
Action: Interim Remedial Action Plan

Global Id: T0603702870
Action Type: RESPONSE
Date: 02/15/2007
Action: Other Report / Document

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 02/27/2001
Action: 13267 Requirement

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 01/05/2015
Action: Staff Letter

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 05/03/2019
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603702870
Action Type: ENFORCEMENT
Date: 06/04/2020
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603702870
Action Type: Other
Date: 06/16/1987
Action: Leak Discovery

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702870
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2012
Action: Monitoring Report - Quarterly

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603702870
Action Type: RESPONSE
Date: 06/03/2019
Action: Soil and Water Investigation Workplan

Global Id: T0603702870
Action Type: RESPONSE
Date: 04/15/2013
Action: Conceptual Site Model

Global Id: T0603702870
Action Type: RESPONSE
Date: 05/13/2021
Action: Electronic Reporting Submittal Due

Global Id: T0603702870
Action Type: RESPONSE
Date: 10/28/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603702870
Action Type: RESPONSE
Date: 09/19/2017
Action: Request for Closure - Regulator Responded

Global Id: T0603702870
Action Type: RESPONSE
Date: 05/03/2018
Action: Request for Closure - Regulator Responded

Global Id: T0603702870
Action Type: RESPONSE
Date: 12/26/2018
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603702870
Action Type: RESPONSE
Date: 07/16/2018
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603702870
Action Type: RESPONSE

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Date: 07/29/2019
Action: Request for Closure - Regulator Responded

Global Id: T0603702870
Action Type: RESPONSE
Date: 02/19/2021
Action: Request for Closure - Regulator Responded

Global Id: T0603702870
Action Type: REMEDIATION
Date: 01/01/1998
Action: Dual Phase Extraction

Global Id: T0603702870
Action Type: REMEDIATION
Date: 01/01/1987
Action: Excavation

Global Id: T0603702870
Action Type: REMEDIATION
Date: 10/01/2006
Action: Pump & Treat (P&T) Groundwater

LUST:
Global Id: T0603702870
Status: Open - Case Begin Date
Status Date: 06/16/1987

Global Id: T0603702870
Status: Open - Site Assessment
Status Date: 05/07/1998

Global Id: T0603702870
Status: Open - Remediation
Status Date: 10/15/2004

Global Id: T0603702870
Status: Open - Remediation
Status Date: 04/29/2011

Global Id: T0603702870
Status: Open - Verification Monitoring
Status Date: 04/14/2015

Global Id: T0603702870
Status: Open - Eligible for Closure
Status Date: 05/14/2015

Global Id: T0603702870
Status: Open - Verification Monitoring
Status Date: 06/09/2017

Global Id: T0603702870
Status: Open - Verification Monitoring
Status Date: 01/25/2018

FORMER MOBIL #18-GP9 (Continued) **S103281924**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-02871	
Status:	Remediation Plan	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603702870	
W Global ID:	Not reported	
Staff:	NB	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	DLLET	
Date Leak Discovered:	6/16/1987	
Date Leak First Reported:		6/17/1992
Date Leak Record Entered:	8/25/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	6/16/1987	
Date Case Last Changed on Database:		7/12/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		515.4404303494527379696348938 2
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		5/7/1998
Remediation Plan Submitted:		2/27/2001
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		6/17/1992
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		10/29/1998
Hist Max MTBE Conc in Groundwater:		130000
Hist Max MTBE Conc in Soil:		2
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	ND	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOHNNY MEDRANO	
RP Address:	3700 W 190TH ST. TPT2	
Program:	LUST	
Lat/Long:	33.8756119 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Assigned Name: Not reported
Summary: MTBE FOUND AT 54,000 UG/L IN MW-1A.; 10/11/00 3RD QTR GW MON RPT 2000; 10/27/00 SITE ASSESSMENT & RAP; 1/6/01 4TH QTR GW MON RPT 2000; 2/5/01 PUEL DISPENSING COMPLEX SOIL SAMPLING; 3/28/01 1ST QTR GW MON RPT 2001

CORTESE:
Name: FORMER MOBIL #18-GP9
Address: 17122 PIONEER BLVD S
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603702870
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - VERIFICATION MONITORING
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: FORMER MOBIL #18-GP9
Address: 17122 PIONEER BLVD S
City,State,Zip: ARTESIA, CA 90701
Site ID: 195354
CERS ID: T0603702870
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766703

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported

FORMER MOBIL #18-GP9 (Continued) **S103281924**

Affiliation Zip: Not reported
Affiliation Phone: 6264583507

K70 **NADER W OIL LLC** **CERS HAZ WASTE** **S117541597**
ENE **17122 PIONEER BLVD** **CERS TANKS** **N/A**
< 1/8 **ARTESIA, CA 90701** **HAZNET**
0.119 mi. **LOS ANGELES CO. HMS**
630 ft. **Site 2 of 12 in cluster K** **CERS**
HWTS

Relative:
Lower

Actual:
63 ft.

CERS HAZ WASTE:
Name: NADER W OIL LLC
Address: 17122 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 137089
CERS ID: 10291273
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: NADER W OIL LLC
Address: 17122 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 137089
CERS ID: 10291273
CERS Description: Underground Storage Tank

HAZNET:
Name: NADER W OIL LLC
Address: 17122 PIONEER BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
Contact: NADER WAREH
Telephone: 5628650319
Mailing Name: Not reported
Mailing Address: 17122 PIONEER BLVD

Year: 2019
Gepaid: CAL000400861
TSD EPA ID: CAD028409019
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.12510

LOS ANGELES CO. HMS:
Name: NADER W OIL LLC
Address: 17122 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907012704
Region: LA
Permit Category: T
Facility Id: 002781-059957
Facility Type: 0
Facility Status: Permit
Area: 1D

NADER W OIL LLC (Continued) **S117541597**

Permit Number: 000806309
Permit Status: Permit

CERS:

Name:	NADER W OIL LLC
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	137089
CERS ID:	10291273
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-21-2017
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 04/28/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description:	Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	03-31-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 04/12/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-21-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD),

NADER W OIL LLC (Continued) **S117541597**

	automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 04/28/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	03-31-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 04/12/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-21-2017
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 04/28/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	10-25-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 11/14/2017. OBSERVATION: Uniform Hazardous Waste Manifests for gasoline contaminated waste liquid and solids were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for the above wastes and submit copies to the CUPA.

NADER W OIL LLC (Continued) **S117541597**

Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-10-2019
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 08/25/2020. (1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE HIGH- EST PENETRATION. RETEST REPORT REQD.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-10-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected

NADER W OIL LLC (Continued) **S117541597**

using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 08/25/2020. (1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE HIGH- EST PENETRATION. RETEST REPORT REQD.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 04-21-2017
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes: Returned to compliance on 04/28/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 04-11-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 08/14/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 04-11-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 08/14/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 04-10-2019
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description: "Failure to submit a copy of the overfill prevention equipment

NADER W OIL LLC (Continued) **S117541597**

	inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "
Violation Notes:	Returned to compliance on 08/25/2020. (1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE HIGH- EST PENETRATION. RETEST REPORT REQD.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-10-2019
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 08/25/2020. (1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE HIGH- EST PENETRATION. RETEST REPORT REQD.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-11-2018
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Returned to compliance on 08/14/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-11-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 08/14/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description:	"Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "

NADER W OIL LLC (Continued) **S117541597**

Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-21-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

NADER W OIL LLC (Continued) **S117541597**

Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 04/28/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-21-2017
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes:	Returned to compliance on 04/28/2017.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

NADER W OIL LLC (Continued) **S117541597**

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	06-25-2020
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	10-25-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/25/2017. OBSERVATION: Observed one 55-gallon drum of waste water with gasoline with faded label. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled. Operator labeled the container at the time of inspection.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-11-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 08/14/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	137089
Site Name:	NADER W OIL LLC
Violation Date:	04-10-2019
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 08/25/2020. (1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE HIGH- EST PENETRATION. RETEST REPORT REQD.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

NADER W OIL LLC (Continued) **S117541597**

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 04-10-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/25/2020. (1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE HIGH- EST PENETRATION. RETEST REPORT REQD.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 04-21-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 04/28/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 06-25-2020
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: 1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING -
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 137089
Site Name: NADER W OIL LLC
Violation Date: 09-30-2014
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 01/16/2015.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

NADER W OIL LLC (Continued) **S117541597**

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sami Omar, Cashier
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Sami Omar, Cashier
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:1)CERS CORRECTION: CFO LETTER, PROP OWNER INFO REQD;2)OVFL TEST REQD;3)SB989 TEST DATED 5/9/16:UDC & SUMPS NOT TESTED 4" ABOVE PENET
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC PAST DUE MONIT.CERT.4/16, SB989-5/2/16;REMOVE FROM CERS MISCEL. FOLDER WRONG SITE ADDRESSS REPORTS-SB989,MONIT.CERT.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department

NADER W OIL LLC (Continued) **S117541597**

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Farah Wareh, Cashier
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC_REJECTED_04/30/14_MONITORING_SYSTEM_CERT,_CERS_CORRECTIONS_REQ,CHANGE_OF_OWNERSHIP___
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-11-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	1)050916 SCTR NOT PERFORMED 4" ABOVE HIGHEST PENETRATION 2)FACILITY PG-PROP OWNER DOES NOT MATCH W/ HMS 3)MP
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	NO UST ALARM CONDITION OBSERVED ON SITE.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-25-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	1)4/2020 CTLS MISSING 2)FACILITY EMPLOYEE TRAINING EXPIRED 032020 3)OVFL REPORT MISSING
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Farah Wareh, Cashier
Eval Division:	Los Angeles County Fire Department

NADER W OIL LLC (Continued) **S117541597**

Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 137089
Facility Name: NADER W OIL LLC
Env Int Type Code: HWG
Program ID: 10291273
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.875050
Longitude: -118.081920

Affiliation:
Affiliation Type Desc: Operator
Entity Name: NADER W OIL LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 865-0319

Affiliation Type Desc: UST Tank Owner
Entity Name: Nader Wareh and Rania Alostwani Family Trust 2016
Entity Title: Not reported
Affiliation Address: 17122 PIONEER BLVD
Affiliation City: Corona
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 865-0319

Affiliation Type Desc: Environmental Contact
Entity Name: NADER WAREH
Entity Title: Not reported
Affiliation Address: 17122 PIONEER BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: NADER WAREH
Entity Title: Not reported
Affiliation Address: 17122 PIONEER BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 865-0319

Affiliation Type Desc: Property Owner
Entity Name: NADER WAREH

NADER W OIL LLC (Continued) **S117541597**

Entity Title:	Not reported
Affiliation Address:	17122 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-0319
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Identification Signer
Entity Name:	NADER WAREH
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	NADER WAREH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	17122 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	NADER W OIL LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

NADER W OIL LLC (Continued) **S117541597**

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Nader Wareh
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-0319

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	NADER WAREH Co. TRUST
Entity Title:	Not reported
Affiliation Address:	9900 MOON RIVER CIRCLE
Affiliation City:	FOUNTAIN VALLEY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92708
Affiliation Phone:	(562) 865-0319

Affiliation Type Desc:	UST Tank Operator
Entity Name:	NADER WAREH
Entity Title:	Not reported
Affiliation Address:	17122 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-0319

HWTS:

Name:	NADER W OIL LLC
Address:	17122 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000400861
Inactive Date:	Not reported
Create Date:	09/30/2014
Last Act Date:	07/28/2020
Mailing Name:	Not reported
Mailing Address:	17122 PIONEER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	NADER W OIL LLC
Owner Address:	17122 PIONEER BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 90701
Contact Name:	NADER WAREH
Contact Address:	17122 PIONEER BLVD
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701

NAICS:

EPA ID:	CAL000400861
Create Date:	2014-09-30 09:25:06.033
NAICS Code:	44719

NADER W OIL LLC (Continued) **S117541597**

NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2014-09-30 09:25:06.03000
Inactive Date:	Not reported
Facility Name:	NADER W OIL LLC
Facility Address:	17122 PIONEER BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

K71 **NADER W OIL LLC** **RCRA NonGen / NLR** **1024846618**
ENE **17122 PIONEER BLVD** **CAL000400861**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 3 of 12 in cluster K**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		20140930
63 ft. Handler Name:	NADER W OIL LLC	
Handler Address:		17122 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000400861
Contact Name:		NADER WAREH
Contact Address:		17122 PIONEER BLVD
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-865-0319
Contact Fax:		Not reported
Contact Email:		NWAHER@AOL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17122 PIONEER BLVD
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		NADER W OIL LLC
Owner Type:		Other
Operator Name:		NADER WAREH
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes

NADER W OIL LLC (Continued) **1024846618**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NADER W OIL LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17122 PIONEER BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-0319
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NADER W OIL LLC (Continued) **1024846618**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NADER WAREH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17122 PIONEER BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-0319
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140930
Handler Name: NADER W OIL LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

K72 **MOBIL OIL CORP S/S #18-GP9** **UST** **U004346510**
ENE **17122 PIONEER BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 4 of 12 in cluster K**

Relative: **Lower**

Actual: **63 ft.**

UST:

Name:	MOBIL OIL CORP S/S #18-GP9
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	2871
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.8764009
Longitude:	-118.080568

K73 **FORMER MOBIL #18-GP9** **UST** **U004271162**
ENE **17122 SOUTH PIONEER BOULEVARD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 5 of 12 in cluster K**

Relative: UST CLOSURE:
Lower

Actual: Name:	FORMER MOBIL #18-GP9
63 ft. Address:	17122 SOUTH PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Claim Number:	Case No. I-02871
Type:	Closure Denials and Approved Orders
Deadline Date:	1/15/2016
Documents:	17122 South Pioneer Boulevard, Artesia, CA 90701Notice Cancelled, 17122 South Pioneer Boulevard, Artesia, CA 90701Draft Order, 17122 South Pioneer Boulevard, Artesia, CA 90701Summary
Comments:	Not reported
Comments URL:	Not reported
Response:	Not reported
Response URL:	Not reported
Comments2:	Not reported
Comments2 URL:	Not reported
Response2:	Not reported
Response2 URL:	Not reported
Closure:	Not reported
Closure URL:	Not reported
Uniform:	Not reported
Uniform URL:	Not reported

K74 **MOBIL #18-GP9 (FORMER #11-GP9)** **ENF** **S101295551**
ENE **17122 PIONEER** **HIST CORTESE** **N/A**
< 1/8 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.119 mi.
630 ft. **Site 6 of 12 in cluster K**

Relative: ENF:
Lower

Actual: Name:	MOBIL #18-GP9 (FORMER #11-GP9)
63 ft. Address:	17122 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	243158
Agency Name:	ExxonMobil Oil Corporation Torrance
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.875022
Place Longitude:	-118.082215
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

MOBIL #18-GP9 (FORMER #11-GP9) (Continued) **S101295551**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	I-02871
Reg Measure Id:	168118
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	227961
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	09/26/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/31/2000
Termination Date:	09/26/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - I-02871
Description:	Notice of Violation sent 9/26/00 for overdue groundwater investigation & cleanup workplan.
Program:	UST

MOBIL #18-GP9 (FORMER #11-GP9) (Continued) **S101295551**

Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	MOBIL #18-GP9 (FORMER #11
edr_fadd1:	17122 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-02871

LOS ANGELES CO. HMS:

Name:	CIRCLE K STORES INC #2211230
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 907012704
Region:	LA
Permit Category:	T
Facility Id:	002781-058189
Facility Type:	0
Facility Status:	Closed
Area:	1D
Permit Number:	000777243
Permit Status:	Closed

Name:	CIRCLE K STORES INC
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 907012704
Region:	LA
Permit Category:	I
Facility Id:	002781-058236
Facility Type:	01
Facility Status:	Removed
Area:	1D
Permit Number:	000021335
Permit Status:	Removed

K75 **NADER WAREH** **HIST UST** **U001565245**
ENE **17122 PIONEER BLVD** **CHMIRS** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 7 of 12 in cluster K**

Relative: **Lower**

Actual: **63 ft.**

HIST UST:

Name:	NADER WAREH
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
File Number:	00027D14
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027D14.pdf
Region:	STATE

NADER WAREH (Continued) **U001565245**

Facility ID:	00000039801
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	2138650319
Owner Name:	MOBIL OIL CORP
Owner Address:	612 S. FLOWER ST.
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	3
Year Installed:	1969
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1972
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:

Name:	Not reported
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA
OES Incident Number:	5-3477
OES notification:	06/10/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**

NADER WAREH (Continued) **U001565245**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Veeder Root
Incident Date:	6/9/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

NADER WAREH (Continued) **U001565245**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The auto shut off failed, spilling gasoline on concrete.

K76 **NADER W OIL LLC** **UST** **U004357956**
ENE **17122 PIONEER BLVD** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 8 of 12 in cluster K**

Relative: **Lower**
Actual: **63 ft.**

UST:

Name:	NADER W OIL LLC
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	Not reported
Permitting Agency:	Los Angeles County Fire Department
CERSID:	Not reported
Latitude:	33.87505
Longitude:	-118.08192

Name:	NADER W OIL LLC
Address:	17122 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	Not reported
Permitting Agency:	Los Angeles County Fire Department
CERSID:	10291273
Latitude:	33.87505
Longitude:	-118.08192

K77 **CIRCLE K STORES INC. SITE #2211230** **RCRA-SQG** **1007200202**
ENE **17122 PIONEER BLVD** **FINDS** **CAL000056233**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 9 of 12 in cluster K**

Relative: **Lower**
Actual: **63 ft.**

RCRA-SQG:

Date Form Received by Agency:		20020228
Handler Name:	EXXONMOBIL OIL CORP.	
Handler Address:		17122 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000056233
Contact Name:		JOHN HOOVER
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		800-253-8054
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

CIRCLE K STORES INC. SITE #2211230 (Continued) **1007200202**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12265 WEST BAYAUD AVE.
Mailing City,State,Zip:	LAKEWOOD, CO 80228
Owner Name:	EXXONMOBIL OIL CORP.
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905

CIRCLE K STORES INC. SITE #2211230 (Continued) **1007200202**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EXXONMOBIL OIL CORP.
Legal Status:	Private
Date Became Current:	20020531
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EXXONMOBIL OIL CORP.
Legal Status:	Private
Date Became Current:	20020531
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020228
Handler Name: EXXONMOBIL OIL CORP.	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CIRCLE K STORES INC. SITE #2211230 (Continued) **1007200202**

Receive Date: 20020228
Handler Name: EXXONMOBIL OIL CORP.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44711
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055848828

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K78 **EXXONMOBIL OIL CORP 11560** **RCRA-SQG** **1016148118**
ENE **17122 PIONEER BLVD** **CAR000239616**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 10 of 12 in cluster K**

Relative: RCRA-SQG:
Lower
Date Form Received by Agency: 20130610
Actual: Handler Name: EXXONMOBIL OIL CORP 11560
63 ft. Handler Address: 17122 PIONEER BLVD
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAR000239616
Contact Name: DONNA HYMES
Contact Address: 800 E WASHINGTON ST EXXONMOBIL
Contact City,State,Zip: WEST CHESTER, PA 19380
Contact Telephone: 610-430-8151
Contact Fax: 610-430-8016
Contact Email: DHYMES@JD2ENV.COM
Contact Title: EXXONMOBIL HAZ WASTE COORD
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator

EXXONMOBIL OIL CORP 11560 (Continued) **1016148118**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	800 E WASHINGTON ST EXXONMOBIL
Mailing City,State,Zip:	WEST CHESTER, PA 19380
Owner Name:	EXXONMOBIL OIL CORP
Owner Type:	Private
Operator Name:	EXXONMOBIL OIL CORP
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

EXXONMOBIL OIL CORP 11560 (Continued) **1016148118**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20130625
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EXXONMOBIL OIL CORP
Legal Status:	Private
Date Became Current:	19991201
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EXXONMOBIL OIL CORP
Legal Status:	Private
Date Became Current:	19991201
Date Ended Current:	Not reported
Owner/Operator Address:	3225 GALLOWS RD
Owner/Operator City,State,Zip:	FAIRFAX, VA 22037
Owner/Operator Telephone:	703-846-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130610
Handler Name:	EXXONMOBIL OIL CORP 11560
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

EXXONMOBIL OIL CORP 11560 (Continued) **1016148118**

List of NAICS Codes and Descriptions:
NAICS Code: 44711
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K79 **MOBIL OIL CORP** **SWEEPS UST** **U003059101**
ENE **17122 PIONEER BLVD** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **ARTESIA, CA 90701**
0.119 mi.
630 ft. **Site 11 of 12 in cluster K**

Relative: **Lower**
Actual: **63 ft.**

SWEEPS UST:
Name: MOBIL OIL CORP
Address: 17122 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2871
Number: 9
Board Of Equalization: 44-000400
Referral Date: 08-30-89
Action Date: 08-30-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002871-000001
Tank Status: A
Capacity: 10000
Active Date: 08-30-89
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 4

Name: MOBIL OIL CORP
Address: 17122 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2871
Number: 9
Board Of Equalization: 44-000400
Referral Date: 08-30-89
Action Date: 08-30-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002871-000002
Tank Status: A
Capacity: 10000
Active Date: 08-30-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

MOBIL OIL CORP (Continued) **U003059101**

Number Of Tanks: Not reported

Name: MOBIL OIL CORP
Address: 17122 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2871
Number: 9
Board Of Equalization: 44-000400
Referral Date: 08-30-89
Action Date: 08-30-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002871-000003
Tank Status: A
Capacity: 10000
Active Date: 08-30-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MOBIL OIL CORP
Address: 17122 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2871
Number: 9
Board Of Equalization: 44-000400
Referral Date: 08-30-89
Action Date: 08-30-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002871-000004
Tank Status: A
Capacity: 12000
Active Date: 08-30-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: MOBIL OIL CORP
Address: 17122 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907012704
Region: LA
Permit Category: I
Facility Id: 002781-I02871
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000002686
Permit Status: Closed

K80
ENE
< 1/8
0.119 mi.
630 ft.

NADERS MOBILE STATION
17122 PIONEER BLVD
ARTESIA, CA 90701

Site 12 of 12 in cluster K

EDR Hist Auto **1020862649**
N/A

Relative:
Lower

Actual:
63 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	GAUMER KENNETH D	Gasoline Service Stations
1970	GAUMER KENNETH D	Gasoline Service Stations
1974	RUNES SERVICE CENTER	Gasoline Service Stations
1975	RUNES SERVICE CENTER	Gasoline Service Stations
1975	NORDSTROM RUNE G	Gasoline Service Stations
1976	NORDSTROM RUNE G	Gasoline Service Stations
1976	RUNES SERVICE CENTER	Gasoline Service Stations
1977	RUNES SERVICE CENTER	Gasoline Service Stations
1977	NORDSTROM RUNE G	Gasoline Service Stations
1978	NADERS MOBILE STATION	Gasoline Service Stations
1979	NADERS MOBILE STATION	Gasoline Service Stations
1979	NADERS MOBILE STATION	Gasoline Service Stations
1980	NADERS MOBILE STATION	Gasoline Service Stations
1982	NADERS MOBILE STATION	Gasoline Service Stations
1983	NADERS MOBILE STATION	Gasoline Service Stations
1985	NADERS MOBILE STATION	Gasoline Service Stations
1986	NADERS MOBILE STATION	Gasoline Service Stations
1987	NADERS MOBILE STATION	Gasoline Service Stations
1988	NADERS MOBILE STATION	Gasoline Service Stations
1989	NADERS MOBILE STATION	Gasoline Service Stations
1989	NADER WAREH MOBIL SERV	Gasoline Service Stations
1990	NADERS MOBILE STATION	Gasoline Service Stations
1991	NADERS MOBILE STATION	Gasoline Service Stations
1992	NADERS MOBILE STATION	Gasoline Service Stations
1993	NADERS MOBILE STATION	Gasoline Service Stations

I81
ESE
< 1/8
0.120 mi.
631 ft.

MARTIN WAYNE
17326 PIONEER
ARTESIA, CA 90701

Site 2 of 2 in cluster I

EDR Hist Auto **1021492206**
N/A

Relative:
Lower

Actual:
62 ft.

EDR Hist Auto

Year:	Name:	Type:
1971	MARTIN WAYNE	Gasoline Service Stations
1972	MARTIN WAYNE	Gasoline Service Stations
1973	MARTIN WAYNE	Gasoline Service Stations
1974	MARTIN WAYNE	Gasoline Service Stations
1975	MARTIN WAYNE	Gasoline Service Stations
1976	MARTIN WAYNE	Gasoline Service Stations
1977	MARTIN WAYNE	Gasoline Service Stations
1978	MARTIN WAYNE	Gasoline Service Stations
1979	MARTIN WAYNE	Gasoline Service Stations
1980	MARTIN WAYNE	Gasoline Service Stations
1982	MARTIN WAYNE	Gasoline Service Stations

L82 **SUNSTON EQUIPMENT INC** **RCRA-SQG** **1000389661**
WNW **17128 ROSETON AVE** **FINDS** **CAD097459549**
< 1/8 **ARTESIA, CA 90701** **ECHO**
0.123 mi.
650 ft. **Site 1 of 6 in cluster L**

Relative: **Lower**
Actual: **63 ft.**

RCRA-SQG:

Date Form Received by Agency:		19860822
Handler Name:	SUNSTON EQUIPMENT INC	
Handler Address:		17128 ROSETON AVE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAD097459549
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		17128 ROSETON AVE
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		PETER WANG
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

SUNSTON EQUIPMENT INC (Continued) **1000389661**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PETER WANG
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SUNSTON EQUIPMENT INC (Continued) **1000389661**

Historic Generators:

Receive Date:	19860822
Handler Name:	SUNSTON EQUIPMENT INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID:	110002665474

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000389661
Registry ID:	110002665474
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002665474
Name:	SUNSTON EQUIPMENT INC
Address:	17128 ROSETON AVE
City,State,Zip:	ARTESIA, CA 90701

M83
SE
1/8-1/4
0.128 mi.
677 ft.

BIG PENNY CAR WASH
17509 PIONEER BLVD
ARTESIA, CA 90701

Site 1 of 6 in cluster M

CA FID UST **S101617882**
CERS **N/A**

Relative:
Lower

Actual:
58 ft.

CA FID UST:

Facility ID:	19027752
Regulated By:	UTNKA
Regulated ID:	00005157
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	17509 S PIONEER BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ARTESIA
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CERS:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	12312
CERS ID:	T0603704529
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	AHMAD J. LAMAA - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 West 4th Street Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M84 **BIG PENNY CAR WASH** **LUST** **U001565223**
SE **17509 PIONEER BLVD** **UST** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **SWEEPS UST**
0.128 mi. **HIST UST**
677 ft. **Site 2 of 6 in cluster M** **ENF**
HIST CORTESE
Relative: **LOS ANGELES CO. HMS**
Lower **WDS**
WDR
Actual: **CIWQS**
58 ft. **CERS**

LUST:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704529
Global Id:	T0603704529
Latitude:	33.871994
Longitude:	-118.0823681
Status:	Completed - Case Closed
Status Date:	07/06/2016
Case Worker:	AJL
RB Case Number:	R-00456
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704529
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704529
Contact Type:	Regional Board Caseworker
Contact Name:	AHMAD J. LAMAA
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 West 4th Street Suite 200
City:	Los Angeles
Email:	alamaa@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704529
Action Type:	ENFORCEMENT
Date:	03/13/2002
Action:	Staff Letter

Global Id: T0603704529

BIG PENNY CAR WASH (Continued) **U001565223**

Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603704529
Action Type: Other
Date: 05/10/1999
Action: Leak Reported

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2002
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2012
Action: Conceptual Site Model

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 09/18/2008
Action: Staff Letter

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 09/27/2012
Action: Notification - Preclosure

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2009

BIG PENNY CAR WASH (Continued) **U001565223**

Action: Conceptual Site Model

Global Id: T0603704529
Action Type: RESPONSE
Date: 09/24/2008
Action: Other Report / Document

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

BIG PENNY CAR WASH (Continued) **U001565223**

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603704529
Action Type: RESPONSE
Date: 03/22/2012
Action: Request for Closure

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603704529
Action Type: RESPONSE
Date: 03/24/2016
Action: Well Destruction Report

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 05/03/2005
Action: Staff Letter

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 02/07/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE

BIG PENNY CAR WASH (Continued) **U001565223**

Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2005
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

BIG PENNY CAR WASH (Continued) **U001565223**

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 02/01/2000
Action: * Historical Enforcement

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 06/19/2015
Action: Notification - Public Participation Document

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 09/24/2015
Action: State Water Board Closure Order

Global Id: T0603704529
Action Type: ENFORCEMENT
Date: 07/06/2016
Action: Closure/No Further Action Letter

Global Id: T0603704529
Action Type: Other
Date: 01/14/1999
Action: Leak Discovery

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE

BIG PENNY CAR WASH (Continued) **U001565223**

Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

BIG PENNY CAR WASH (Continued) **U001565223**

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 01/22/2008
Action: Interim Remedial Action Plan

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704529
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704529
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603704529
Action Type: REMEDIATION
Date: 12/14/2002
Action: Pump & Treat (P&T) Groundwater

LUST:
Global Id: T0603704529
Status: Open - Case Begin Date
Status Date: 01/14/1999

Global Id: T0603704529
Status: Open - Site Assessment
Status Date: 01/15/1999

Global Id: T0603704529
Status: Open - Site Assessment
Status Date: 02/03/1999

BIG PENNY CAR WASH (Continued) **U001565223**

Global Id: T0603704529
Status: Open - Verification Monitoring
Status Date: 05/10/1999

Global Id: T0603704529
Status: Open - Site Assessment
Status Date: 03/04/2000

Global Id: T0603704529
Status: Open - Remediation
Status Date: 02/17/2002

Global Id: T0603704529
Status: Open - Remediation
Status Date: 04/15/2003

Global Id: T0603704529
Status: Open - Remediation
Status Date: 09/07/2005

Global Id: T0603704529
Status: Open - Site Assessment
Status Date: 01/22/2008

Global Id: T0603704529
Status: Open - Eligible for Closure
Status Date: 07/08/2014

Global Id: T0603704529
Status: Open - Eligible for Closure
Status Date: 09/24/2015

Global Id: T0603704529
Status: Open - Eligible for Closure
Status Date: 05/25/2016

Global Id: T0603704529
Status: Completed - Case Closed
Status Date: 07/06/2016

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-00456
Status: Remediation Plan
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603704529
W Global ID: Not reported
Staff: AJL
Local Agency: 19000
Cross Street: Not reported

BIG PENNY CAR WASH (Continued) **U001565223**

Enforcement Type:	SEL	
Date Leak Discovered:	1/14/1999	
Date Leak First Reported:		5/10/1999
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		6/30/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	SHIRLEY J. WORKMAN	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1225.2366268041192216434529384
Source of Cleanup Funding:		S
Preliminary Site Assessment Workplan Submitted:		2/3/1999
Preliminary Site Assessment Began:		1/15/1999
Pollution Characterization Began:		3/4/2000
Remediation Plan Submitted:		4/15/2003
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		5/10/1999
Enforcement Action Date:		2/1/2000
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		860
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RON WORKMAN	
RP Address:	5510 MOREHOUSE DR.	
Program:	LUST	
Lat/Long:	33.871994 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	11/14/00 ADDL GW ASSESSMENT WP PETROLEUM HYDROCARBON CONTAMINATION; 4/2/01 1ST QTR GW MON RPT 2001	

UST:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	456
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.873164
Longitude:	-118.081413

SWEEPS UST:

BIG PENNY CAR WASH (Continued) **U001565223**

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	456
Number:	9
Board Of Equalization:	44-007446
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000456-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	3

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	456
Number:	9
Board Of Equalization:	44-007446
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000456-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	456
Number:	9
Board Of Equalization:	44-007446
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000456-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

BIG PENNY CAR WASH (Continued) **U001565223**

Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: BIG PENNY CAR WASH
Address: 17509 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000005157
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RON WORKMAN
Telephone: 2138605616
Owner Name: RAY WORKMAN
Owner Address: 3833 CEDAR AVE
Owner City,St,Zip: LONG BEACH, CA 90807
Total Tanks: 0010

Tank Num: 001
Container Num: P38607
Year Installed: 1970
Tank Capacity: 00009960
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: BP010BP
Year Installed: 1970
Tank Capacity: 00009960
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: BP009BP
Year Installed: 1972
Tank Capacity: 00011829
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: BPOO8BP
Year Installed: 1972
Tank Capacity: 00011829
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005

BIG PENNY CAR WASH (Continued) **U001565223**

Container Num:	BP007BP
Year Installed:	1972
Tank Capacity:	00011829
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	P38655
Year Installed:	1970
Tank Capacity:	00009960
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	P38611
Year Installed:	1970
Tank Capacity:	00009960
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	008
Container Num:	B38610
Year Installed:	1970
Tank Capacity:	00009960
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	009
Container Num:	P38609
Year Installed:	1970
Tank Capacity:	00009960
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	010
Container Num:	P38608
Year Installed:	1970
Tank Capacity:	00009960
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

ENF:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701

BIG PENNY CAR WASH (Continued) **U001565223**

Region:	4
Facility Id:	211509
Agency Name:	Big Penny Car Wash
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.871989
Place Longitude:	-118.082358
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	R-00456
Reg Measure Id:	167372
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

BIG PENNY CAR WASH (Continued) **U001565223**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	229646
Region:	4
Order / Resolution Number:	Staff enforcement letter
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	02/01/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/01/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement letter sent 2/1/00 for overdue gw monitoring well installation rpt.
Description:	Level 1 enforcement letter sent 2/1/00 for FTS groundwater monitoring well installation report.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	211509
Agency Name:	Big Penny Car Wash
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.871989
Place Longitude:	-118.082358
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

BIG PENNY CAR WASH (Continued) **U001565223**

# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.01008
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRNONMUNIPRCS
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	4B197200012
Reg Measure Id:	194174
Reg Measure Type:	Enrollee
Region:	4
Order #:	R4-2002-0030
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/05/2014
Effective Date:	11/20/2002
Expiration/Review Date:	12/31/2009
Termination Date:	09/21/2009
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	371468
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	08/20/2009
Adoption/Issuance Date:	08/20/2009
Achieve Date:	Not reported
Termination Date:	08/20/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 8/20/09 for 5 overdue & 1 late monitoring reports.
Description:	NOV sent 8/20/09 for 5 overdue (4Q02-3Q03) & 1 late monitoring report (4Q03).
Program:	WDR
Latest Milestone Completion Date:	Not reported

BIG PENNY CAR WASH (Continued) **U001565223**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	BIG PENNY CAR WASH
edr_fadd1:	17509 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-00456

LOS ANGELES CO. HMS:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 907014006
Region:	LA
Permit Category:	I
Facility Id:	000454-I00456
Facility Type:	01
Facility Status:	Closed
Area:	1D
Permit Number:	000003597
Permit Status:	Closed

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 907014006
Region:	LA
Permit Category:	I
Facility Id:	000454-I00456
Facility Type:	01
Facility Status:	Closed
Area:	1D
Permit Number:	000070000
Permit Status:	Closed

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 907014006
Region:	LA
Permit Category:	T
Facility Id:	000454-000456
Facility Type:	0
Facility Status:	Removed
Area:	1D
Permit Number:	00002328T
Permit Status:	Removed

Name: BIG PENNY USA INC

BIG PENNY CAR WASH (Continued) **U001565223**

Address: 17509 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907014006
Region: LA
Permit Category: I
Facility Id: 000454-040511
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000394865
Permit Status: Closed

WDS:
Name: BIG PENNY CARWASH
Address: 17509 Pioneer Blvd
City: ARTESIA
Facility ID: Los Angeles River 197200012
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 4
Facility Telephone: 5628605616
Facility Contact: Ron Workman
Agency Name: BIG PENNY CAR WASH
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

BIG PENNY CAR WASH (Continued) **U001565223**

WDR:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Global ID:	WDR100000292
Status:	HISTORICAL - WDR

CIWQS:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Agency:	Big Penny Car Wash
Agency Address:	17509 Pioneer Boulevard, Artesia, CA 90701
Place/Project Type:	Groundwater Cleanup Site
SIC/NAICS:	Not reported
Region:	4
Program:	WDRNONMUNIPRCS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	R4-2002-0030
WDID:	4B197200012
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	11/20/2002
Termination Date:	09/21/2009
Expiration/Review Date:	12/31/2009
Design Flow:	0.01008
Major/Minor:	Not reported
Complexity:	A
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.871989
Longitude:	-118.082358

CERS:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Site ID:	348895
CERS ID:	211509
CERS Description:	Waste Discharge Requirements

Violations:

Site ID:	348895
Site Name:	Big Penny Car Wash
Violation Date:	02-01-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	FTS groundwater monitoring well installation report.
Violation Division:	Water Boards
Violation Program:	UST
Violation Source:	CIWQS

Site ID:	348895
Site Name:	Big Penny Car Wash

BIG PENNY CAR WASH (Continued) **U001565223**

Violation Date:	03-23-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	4Q03 DMR received 14 days late on 1/29/04. Report was due 1/15/04.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Enforcement Action:

Site ID:	348895
Site Name:	Big Penny Car Wash
Site Address:	17509 PIONEER
Site City:	ARTESIA
Site Zip:	90701
Enf Action Date:	02-01-2000
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS

Site ID:	348895
Site Name:	Big Penny Car Wash
Site Address:	17509 PIONEER
Site City:	ARTESIA
Site Zip:	90701
Enf Action Date:	08-20-2009
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS

M85 **BIG PENNY CAR-WASH #2** **EDR Hist Auto** **1021430971**
SE **17509 PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.128 mi.
677 ft. **Site 3 of 6 in cluster M**

Relative: EDR Hist Auto
Lower

Actual:
58 ft.

Year:	Name:	Type:
1976	BIG PENNY CAR-WASH #2	Carwashes
1977	BIG PENNY CAR-WASH #2	Carwashes
1978	BIG PENNY CAR-WASH #2	Carwashes
1979	BIG PENNY CAR-WASH #2	Carwashes
1980	BIG PENNY CAR-WASH #2	Carwashes
1982	BIG PENNY CAR-WASH #2	Carwashes
1983	BIG PENNY CAR-WASH #2	Carwashes
1985	BIG PENNY CAR-WASH #2	Carwashes
1986	BIG PENNY CAR-WASH #2	Carwashes
1987	BIG PENNY CAR-WASH #2	Carwashes
1988	BIG PENNY CAR-WASH #2	Carwashes
1989	BIG PENNY CAR-WASH 2	Carwashes, NEC

BIG PENNY CAR-WASH #2 (Continued) **1021430971**

1990	BIG PENNY CAR-WASH 2	Carwashes, NEC
1991	BIG PENNY CAR-WASH 2	Carwashes, NEC
1992	BIG PENNY CAR-WASH 2	Carwashes, NEC
1993	BIG PENNY CAR-WASH 2	Carwashes, NEC
1994	BIG PENNY CAR-WASH 2	Carwashes, NEC
1995	BIG PENNY CAR-WASH 2	Carwashes, NEC

M86 **BIG PENNY CAR WASH** **UST** **U004271200**
SE **17509 PIONEER BOULEVARD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.128 mi.
677 ft. **Site 4 of 6 in cluster M**

Relative: **Lower**
Actual: **58 ft.**

UST CLOSURE:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Claim Number:	Case No. R-00456
Type:	Closure Denials and Approved Orders
Deadline Date:	8/21/2015
Documents:	17509 Pioneer Boulevard, Artesia, CA 90701Notice, 17509 Pioneer Boulevard, Artesia, CA 90701Draft Order, 17509 Pioneer Boulevard, Artesia, CA 90701Summary
Comments:	No Comments Received
Comments URL:	Not reported
Response:	Not reported
Response URL:	Not reported
Comments2:	Not reported
Comments2 URL:	Not reported
Response2:	Not reported
Response2 URL:	Not reported
Closure:	No Comments ReceivedWQO 2015-0150-UST (09/24/2015)
Closure URL:	https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2015/wqo2015_0150_ust.pdf
Uniform:	No Comments ReceivedWQO 2015-0150-UST (09/24/2015)Uniform Closure Letter (07/06/201
Uniform URL:	https://www.waterboards.ca.gov/water_issues/programs/ustcf/docs/prop_closure_cases/r_00456_ucl.pdf

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M87 **BIG PENNY CAR WASH** **HIST UST** **S118407944**
SE **17509 POINEER BL** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.128 mi.
677 ft. **Site 5 of 6 in cluster M**

Relative: **Lower**
Actual: **58 ft.**

HIST UST:

Name:	BIG PENNY CAR WASH
Address:	17509 POINEER BL
City,State,Zip:	ARTESIA, CA 90701
File Number:	00027EEB
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027EEB.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported

BIG PENNY CAR WASH (Continued) **S118407944**

Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

M88 **BIG PENNY CAR WASH** **Cortese** **S112926207**
SE **17509 PIONEER BLVD** **HAZNET** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **HWTS**
0.128 mi.
677 ft. **Site 6 of 6 in cluster M**

Relative:
Lower

Actual:
58 ft.

CORTESE:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704529
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
Contact:	RON WORKMAN
Telephone:	5628605616
Mailing Name:	Not reported
Mailing Address:	17509 PIONEER BLVD

BIG PENNY CAR WASH (Continued) **S112926207**

Year:	2002
Gepaid:	CAC002558920
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.52

Additional Info:

Year:	2002
Gen EPA ID:	CAC002558920
Shipment Date:	20021121
Creation Date:	4/1/2003 18:31:07
Receipt Date:	20021129
Manifest ID:	22247407
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.52
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BIG PENNY CAR WASH
Address:	17509 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAC002558920
Inactive Date:	08/19/2003
Create Date:	11/19/2002
Last Act Date:	08/19/2003
Mailing Name:	Not reported
Mailing Address:	17509 PIONEER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	RON WORKMAN
Owner Address:	17509 PIONEER BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 90701
Contact Name:	RON WORKMAN
Contact Address:	17509 PIONEER BLVD
Contact Address 2:	Not reported

BIG PENNY CAR WASH (Continued) **S112926207**

City,State,Zip: ARTESIA, CA 90701

L89 **TRUK PROS INC** **RCRA NonGen / NLR** **1024831016**
NW **17106 ROSETON AVE** **CAL000366937**
1/8-1/4 **ARTESIA, CA 90701**
0.132 mi.
697 ft. **Site 2 of 6 in cluster L**

Relative: **Lower**
Actual: **62 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20110829
Handler Name:	TRUK PROS INC	
Handler Address:		17106 ROSETON AVE
Handler City,State,Zip:		ARTESIA, CA 90701-2644
EPA ID:		CAL000366937
Contact Name:		JOSE PINON
Contact Address:		17106 ROSETON AVE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-865-3000
Contact Fax:		562-865-3088
Contact Email:		TRUKPROS@YMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17106 ROSETON AVE
Mailing City,State,Zip:		ARTESIA, CA 90701-2644
Owner Name:		JOSE PINON
Owner Type:		Other
Operator Name:		JOSE PINON
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported

TRUK PROS INC (Continued) **1024831016**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOSE PINON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17106 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-2644
Owner/Operator Telephone:	562-865-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOSE PINON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17106 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-865-3000
Owner/Operator Telephone Ext:	Not reported

TRUK PROS INC (Continued) **1024831016**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110829
Handler Name: TRUK PROS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L90 **A.N.J. RV-TRAILER SERV & REPAI** **CERS HAZ WASTE** **S103996372**
NW **17106 ROSETON AV** **EMI** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **CERS**
0.132 mi.
697 ft. **Site 3 of 6 in cluster L**

Relative:
Lower

Actual:
62 ft.

CERS HAZ WASTE:
Name: TRUK PROS INC
Address: 17106 ROSETON AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 163678
CERS ID: 10275649
CERS Description: Hazardous Waste Generator

EMI:
Name: A.N.J. RV-TRAILER SERV & REPAI
Address: 17106 ROSETON AV
City,State,Zip: ARTESIA, CA 907010000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 903
Air District Name: SC
SIC Code: 7538
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	A.N.J. RV-TRAILER SERV & REPAI
Address:	17106 ROSETON AV
City,State,Zip:	ARTESIA, CA 907010000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	903
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MICHAELS CABINETS
Address:	17106 ROSETON AV
City,State,Zip:	ARTESIA, CA 907010000
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	78123
Air District Name:	SC
SIC Code:	2434
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	TRUK PROS INC
Address:	17106 ROSETON AVE
City,State,Zip:	ARTESIA, CA 90701
Site ID:	163678
CERS ID:	10275649
CERS Description:	Chemical Storage Facilities

Violations:

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	12-18-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 02/02/2016. OBSERVATION: An Emergency Response Plan and procedures has not been completed and submitted electronically to the CUPA. CORRECTIVE ACTION: Complete the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	04-05-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 04/30/2019. OBSERVATION: Uniform Hazardous Waste Manifests for used motor oil and waste antifreeze were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for used motor oil and waste antifreeze. Submit the Certification of Compliance and/or any supporting documentation/photo to CUPA by 5/5/2019
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	04-05-2019
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 05/03/2019. OBSERVATION: Observed the following: a) 1 x 55 gallon drum containing used oil with accumulation date 11/13/2017 b) 1 x 55 gallon drum containing waste antifreeze with no accumulation date noted c) 1 x 55 gallon drum containing waste paint solvent with accumulation date 8/28/2018 CORRECTIVE ACTION:

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

	Immediately contact a licensed hazardous waste hauler to dispose of this waste and submit the Certification of Compliance and/or any supporting documentation/photo to CUPA by 5/5/2019
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	04-05-2019
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 05/03/2019. OBSERVATION: Observed a poly drum with unknown contents without the required markings. CORRECTIVE ACTION: Immediately label the poly drum and ensure that all containers are marked with all the required information. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Since it cannot be determined how long drum have been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste and submit the Certification of Compliance and/or any supporting documentation/photo to CUPA by 5/5/2019
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	12-18-2015
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 02/02/2016. OBSERVATION: Copies of hazardous waste disposal records for waste paint booth filters and waste coolant for 2015, 2014 and 2013 were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by 1/17/16.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	12-18-2015
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22,

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

	Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 01/14/2016. OBSERVATION: Observed one each of 55-gallon used oil, waste coolant and waste paint solvent accumulating for more than 180 days . Facilities who generate less than 1000 kg of hazardous waste per month and do not exceed 6000 kg of waste stored on site at any time may store waste on site up to 180 days. CORRECTIVE ACTION: Immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA by 1/17/16.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	12-18-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 01/14/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	04-05-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 04/05/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CERS review revealed last submittal dated 7/31/2018. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Owner submitted completed HMBP at the time of inspection. This item is corrected.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	163678
Site Name:	TRUK PROS INC
Violation Date:	12-18-2015
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes: Returned to compliance on 01/14/2016. OBSERVATION: Observed the top of the used oil and waste coolant 55-gallon drums accumulated with used oil and waste antifreeze. Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or release of hazardous waste to air, soil, or surface water which could threaten human health or the environment. CORRECTIVE ACTION: Immediately clean the waste accumulation on top of the drums and manage according to Title 22 hazardous waste regulations. Submit a statement and supporting documentation explaining how this waste was managed by 1/17/16.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: JOSE PINON OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: JOSE PINON OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jose Pinon, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

Eval Date: 02-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jose Pinon, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 163678
Facility Name: TRUK PROS INC
Env Int Type Code: HWG
Program ID: 10275649
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.875580
Longitude: -118.086890

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 17106 ROSETON AVE
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: JOSE PINON
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

A.N.J. RV-TRAILER SERV & REPAI (Continued) **S103996372**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	TRUK PRO INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	DANA ZYLA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Truk Pros Inc
Entity Title:	Not reported
Affiliation Address:	17106 ROSETTON AVE
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 865-3000
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOSE PINON
Entity Title:	Not reported
Affiliation Address:	17106 ROSETON AVE
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	JOSE PINON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 865-3003

L91 **C3 TRUCK COLLISION CENTER** **RCRA-SQG** **1010313872**
NW **17106 ROSETON AVE** **CAR000179135**
1/8-1/4 **ARTESIA, CA 90701**
0.132 mi.
697 ft. **Site 4 of 6 in cluster L**

Relative: **Lower**
Actual: **62 ft.**

RCRA-SQG:

Date Form Received by Agency:	20061113
Handler Name:	C3 TRUCK COLLISION CENTER
Handler Address:	17106 ROSETON AVE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAR000179135
Contact Name:	CHRIS PAPPAS
Contact Address:	9853 E ALONDRA AVE
Contact City,State,Zip:	BELLFLOWER, CA 90706
Contact Telephone:	562-809-4900
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	9853 E ALONDRA AVE
Mailing City,State,Zip:	BELLFLOWER, CA 90706
Owner Name:	CHRIS AND GLORIA PAPAS
Owner Type:	Private
Operator Name:	CALIFORNIA COLLISION CENTER INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

C3 TRUCK COLLISION CENTER (Continued) **1010313872**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20061120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

C3 TRUCK COLLISION CENTER (Continued) **1010313872**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALIFORNIA COLLISION CENTER INC
Legal Status:	Private
Date Became Current:	20060301
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHRIS AND GLORIA PAPAS
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not reported
Owner/Operator Address:	9901 STANFORD AVE
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92841
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20061113
Handler Name: C3 TRUCK COLLISION CENTER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

N92 **WALGREENS #5773** **RCRA-LQG** **1016954202**
SE **11800 ARTESIA BLVD** **RCRA-SQG** **CAR000314948**
1/8-1/4 **ARTESIA, CA 90701**
0.138 mi.
727 ft. **Site 1 of 7 in cluster N**

Relative: **Lower**
Actual: **60 ft.**

RCRA-SQG:

Date Form Received by Agency:		20200724
Handler Name:	WALGREENS #5773	
Handler Address:		11800 ARTESIA BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000322884
Contact Name:		AMBER DURKIN
Contact Address:		WILMOT RD, 5TH FL, MS#1450
Contact City,State,Zip:		DEERFIELD, IL 60015
Contact Telephone:		847-964-8816
Contact Fax:		760-918-4025
Contact Email:		AMBER.DURKIN@WALGREENS.COM
Contact Title:		APS SAFETY MANAGER, NON-RETAIL / SUPPLY CHAIN
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2019
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		GREYHAWK CT. SUITE 200
Mailing City,State,Zip:		CARLSBAD, CA 92010
Owner Name:		MINNETONKA CAPITAL INVESTMENTS II LLC
Owner Type:		Private
Operator Name:		WALGREEN CO.
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

WALGREENS #5773 (Continued) **1016954202**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201009
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D009

WALGREENS #5773 (Continued) **1016954202**

Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREEN CO.
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

WALGREENS #5773 (Continued) **1016954202**

Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	WALGREEN CO
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT RD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-914-2264
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	20010723
Date Ended Current:	Not reported
Owner/Operator Address:	50 S SIXTH ST STE 1480
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREEN CO
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREEN CO.
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMONT RD.
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	20010723
Date Ended Current:	Not reported
Owner/Operator Address:	50 S SIXTH ST STE 1480
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402

WALGREENS #5773 (Continued) **1016954202**

Owner/Operator Telephone: 612-313-2520
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20140301
Handler Name: WALGREENS #5773
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160406
Handler Name: WALGREENS #5773
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200724
Handler Name: WALGREENS #5773
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:

Violations: No Violations Found

WALGREENS #5773 (Continued) **1016954202**

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency:		20210317
Handler Name:	WALGREENS #5773	
Handler Address:		11800 ARTESIA BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAR000314948
Contact Name:		AMBER DURKIN
Contact Address:		WILMOT ROAD 5TH FLOOR
Contact City,State,Zip:		DEERFIELD, IL 60015
Contact Telephone:		847-964-8816
Contact Fax:		Not reported
Contact Email:		AMBER.DURKIN@WALGREENS.COM
Contact Title:		APS SAFETY MGR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		WILMOT ROAD 5TH FLOOR
Mailing City,State,Zip:		DEERFIELD, IL 60015
Owner Name:		MINNETONKA CAPITAL INVESTMENTS II LLC
Owner Type:		Private
Operator Name:		WALGREENS CO
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported

WALGREENS #5773 (Continued) **1016954202**

Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210323
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	P001
Waste Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

WALGREENS #5773 (Continued) **1016954202**

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	60 6TH STREET
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	60 6TH STREET
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREENS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT ROAD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-964-8816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREENS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT ROAD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-964-8816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201112
Handler Name:	WALGREENS #5773

WALGREENS #5773 (Continued) **1016954202**

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210317
Handler Name: WALGREENS #5773
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

RCRA-SQG:
Date Form Received by Agency: 20200724
Handler Name: WALGREENS #5773
Handler Address: 11800 ARTESIA BLVD
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAL000322884
Contact Name: AMBER DURKIN
Contact Address: WILMOT RD, 5TH FL, MS#1450
Contact City,State,Zip: DEERFIELD, IL 60015
Contact Telephone: 847-964-8816
Contact Fax: 760-918-4025
Contact Email: AMBER.DURKIN@WALGREENS.COM
Contact Title: APS SAFETY MANAGER, NON-RETAIL / SUPPLY CHAIN
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2019
Accessibility: Not reported
Active Site Indicator: Handler Activities

WALGREENS #5773 (Continued) **1016954202**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	GREYHAWK CT. SUITE 200
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Owner Type:	Private
Operator Name:	WALGREEN CO.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201009
Recognized Trader-Importer:	No

WALGREENS #5773 (Continued) **1016954202**

Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: U034

WALGREENS #5773 (Continued) **1016954202**

Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREEN CO.
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WALGREEN CO
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT RD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-914-2264
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	20010723
Date Ended Current:	Not reported
Owner/Operator Address:	50 S SIXTH ST STE 1480
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

WALGREENS #5773 (Continued) **1016954202**

Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREEN CO
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREEN CO.
Legal Status:	Private
Date Became Current:	20010824
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMONT RD.
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	20010723
Date Ended Current:	Not reported
Owner/Operator Address:	50 S SIXTH ST STE 1480
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	612-313-2520
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140301
Handler Name: WALGREENS #5773	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20160406
Handler Name: WALGREENS #5773	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

WALGREENS #5773 (Continued) **1016954202**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200724
Handler Name: WALGREENS #5773
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20210317
Handler Name: WALGREENS #5773
Handler Address: 11800 ARTESIA BLVD
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAR000314948
Contact Name: AMBER DURKIN
Contact Address: WILMOT ROAD 5TH FLOOR
Contact City,State,Zip: DEERFIELD, IL 60015
Contact Telephone: 847-964-8816
Contact Fax: Not reported
Contact Email: AMBER.DURKIN@WALGREENS.COM
Contact Title: APS SAFETY MGR
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported

WALGREENS #5773 (Continued) **1016954202**

Mailing Address:	WILMOT ROAD 5TH FLOOR
Mailing City,State,Zip:	DEERFIELD, IL 60015
Owner Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Owner Type:	Private
Operator Name:	WALGREENS CO
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210323
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

WALGREENS #5773 (Continued) **1016954202**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	P001
Waste Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste Code:	P075
Waste Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	60 6TH STREET
Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MINNETONKA CAPITAL INVESTMENTS II LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	60 6TH STREET

WALGREENS #5773 (Continued) **1016954202**

Owner/Operator City,State,Zip:	MINNEAPOLIS, MN 55402
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREENS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT ROAD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-964-8816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	WALGREENS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT ROAD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-964-8816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201112
Handler Name: WALGREENS #5773	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20210317
Handler Name: WALGREENS #5773	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

WALGREENS #5773 (Continued) **1016954202**

List of NAICS Codes and Descriptions:
NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N93 **EVERGREEN PIONEER INC** **UST** **U003778235**
SE **11800 ARTESIA BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.138 mi.
727 ft. **Site 2 of 7 in cluster N**

Relative: **Lower**
Actual: **60 ft.**

UST:
Name: EVERGREEN PIONEER INC
Address: 11800 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Facility ID: 32571
Permitting Agency: LOS ANGELES COUNTY
CERSID: Not reported
Latitude: 33.873762
Longitude: -118.080519

N94 **WALGREENS #5773** **CERS HAZ WASTE** **S113148880**
SE **11800 ARTESIA BLVD** **HAZNET** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **HWTS**
0.138 mi.
727 ft. **Site 3 of 7 in cluster N**

Relative: **Lower**
Actual: **60 ft.**

CERS HAZ WASTE:
Name: WALGREENS #5773
Address: 11800 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 407076
CERS ID: 10289104
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2017
Violations Found: No
Eval Type: Routine done by local agency

WALGREENS #5773 (Continued) **S113148880**

Eval Notes:	John Nguyen, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-25-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Christen Masciave, Assistant Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Elena Din, Shift Lead
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-05-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	407076
Facility Name:	WALGREENS #5773
Env Int Type Code:	HWG
Program ID:	10289104
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.872410
Longitude:	-118.081870

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Legal Owner
Entity Name:	Walgreen Co.
Entity Title:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Affiliation Address:	200 Wilmot Road
Affiliation City:	Deerfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	60015
Affiliation Phone:	(847) 914-2264
Affiliation Type Desc:	Operator
Entity Name:	Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(847) 914-2264
Affiliation Type Desc:	Parent Corporation
Entity Name:	Walgreens
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Department/Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Ct., Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Charles Savage, on behalf of Walgreen Co.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Minnetonka Capital Inv. LLC
Entity Title:	Not reported
Affiliation Address:	50 S. Sixth, Ste. 148
Affiliation City:	Minneapolis
Affiliation State:	MN
Affiliation Country:	United States
Affiliation Zip:	55402
Affiliation Phone:	(612) 313-2520

WALGREENS #5773 (Continued) **S113148880**

Affiliation Type Desc:	Document Preparer
Entity Name:	Charles Savage, on behalf of Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Verisk 3E, Regulatory Dept/Walgreen Co, 3207 Grey Hawk Court, Ste 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported

HAZNET:

Name:	WALGREENS #5773
Address:	11800 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 920100000
Contact:	KARINA ROMERO
Telephone:	7606028700
Mailing Name:	Not reported
Mailing Address:	3207 GREY HAWK CT. SUITE 200

Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02800

Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05650

Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	NVD980895338
CA Waste Code:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method:	H070 -
Tons:	0.00100

Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	AZR000515924

WALGREENS #5773 (Continued) **S113148880**

CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10400
Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01250
Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	NVD980895338
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06400
Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.38950
Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	INR000110197
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00150
Year:	2019
Gepaid:	CAL000322884
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06550
Year:	2018
Gepaid:	CAL000322884
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.17500

Click this hyperlink while viewing on your computer to access
84 additional CA HAZNET: record(s) in the EDR Site Report.

WALGREENS #5773 (Continued) **S113148880**

Additional Info:

Year:	2013
Gen EPA ID:	CAL000322884
Shipment Date:	20131212
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20131227
Manifest ID:	006270294FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131212
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20131227
Manifest ID:	006270294FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131212
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20131227

WALGREENS #5773 (Continued) **S113148880**

Manifest ID:	006270294FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131212
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20131227
Manifest ID:	006270294FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131119
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131209
Manifest ID:	006272455FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC

WALGREENS #5773 (Continued) **S113148880**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0775
Waste Quantity:	155
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131119
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131209
Manifest ID:	006272455FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.067
Waste Quantity:	134
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131119
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131209
Manifest ID:	006272455FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1

WALGREENS #5773 (Continued) **S113148880**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131028
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131119
Manifest ID:	006270160FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131028
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131119
Manifest ID:	006270160FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20131028
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131119
Manifest ID:	006270160FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000322884
Shipment Date:	20111020
Creation Date:	11/28/2012 22:15:25
Receipt Date:	20111101
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020

WALGREENS #5773 (Continued) **S113148880**

Creation Date:	11/28/2012 22:15:25
Receipt Date:	20111101
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111020
Creation Date:	11/28/2012 22:15:25
Receipt Date:	20111101
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

WALGREENS #5773 (Continued) **S113148880**

TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020
Creation Date:	11/28/2012 22:15:25
Receipt Date:	20111101
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.012
Waste Quantity:	24
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0285

WALGREENS #5773 (Continued) **S113148880**

Waste Quantity:	57
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.023
Waste Quantity:	46
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	34
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20111020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005012417FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110823
Creation Date:	11/20/2012 22:15:16
Receipt Date:	20110915
Manifest ID:	005012146FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	0.018
Waste Quantity:	36
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000322884

Shipment Date:	20120920
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008

WALGREENS #5773 (Continued) **S113148880**

Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0165
Waste Quantity:	33
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120920
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120920
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

WALGREENS #5773 (Continued) **S113148880**

TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.028
Waste Quantity:	56
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120920
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported

WALGREENS #5773 (Continued) **S113148880**

Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0535
Waste Quantity:	107
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20120920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.063
Waste Quantity:	126
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005509689FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

WALGREENS #5773 (Continued) **S113148880**

TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000322884
Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:46
Receipt Date:	20101029
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported

WALGREENS #5773 (Continued) **S113148880**

TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:46
Receipt Date:	20101029
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:46
Receipt Date:	20101029
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003

WALGREENS #5773 (Continued) **S113148880**

Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:46
Receipt Date:	20101029
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20101019
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101019
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005755770JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0215
Waste Quantity:	43
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100721
Creation Date:	1/26/2011 18:30:17
Receipt Date:	20100811
Manifest ID:	007402336JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	SCR000770073

WALGREENS #5773 (Continued) **S113148880**

Trans Name:	KILN DIRECT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100721
Creation Date:	1/26/2011 18:30:24
Receipt Date:	20100819
Manifest ID:	007402337JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000322884

Shipment Date:	20171116
Creation Date:	6/28/2018 18:30:17
Receipt Date:	20171205
Manifest ID:	009362879FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010

WALGREENS #5773 (Continued) **S113148880**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171116
Creation Date:	6/28/2018 18:30:17
Receipt Date:	20171205
Manifest ID:	009362879FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171116
Creation Date:	6/28/2018 18:30:17
Receipt Date:	20171205
Manifest ID:	009362879FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171116
Creation Date:	6/28/2018 18:30:17
Receipt Date:	20171205
Manifest ID:	009362879FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171116
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009362879FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0745
Waste Quantity:	149
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171116
Creation Date:	Not reported
Receipt Date:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Manifest ID:	009362879FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0395
Waste Quantity:	79
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010800774FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010800774FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

WALGREENS #5773 (Continued) **S113148880**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.043
Waste Quantity:	86
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010800774FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010800774FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

WALGREENS #5773 (Continued) **S113148880**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000322884
Shipment Date:	20091026
Creation Date:	5/20/2010 18:30:40
Receipt Date:	20091113
Manifest ID:	005859783JJK
Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091022
Creation Date:	9/17/2012 22:15:29
Receipt Date:	Not reported
Manifest ID:	005859782JJK
Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	SCR000770073
Trans Name:	KILN DIRECT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091022
Creation Date:	9/17/2012 22:15:29
Receipt Date:	Not reported
Manifest ID:	005859782JJK
Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	SCR000770073
Trans Name:	KILN DIRECT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0385
Waste Quantity:	77
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090805
Creation Date:	3/5/2010 18:30:08
Receipt Date:	20090824
Manifest ID:	002553883FLE
Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090805
Creation Date:	3/5/2010 18:30:08
Receipt Date:	20090824
Manifest ID:	002553883FLE

WALGREENS #5773 (Continued) **S113148880**

Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090805
Creation Date:	3/5/2010 18:30:08
Receipt Date:	20090824
Manifest ID:	002553883FLE
Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090805
Creation Date:	3/5/2010 18:30:08
Receipt Date:	20090824
Manifest ID:	002553883FLE
Trans EPA ID:	MNS000100924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture

WALGREENS #5773 (Continued) **S113148880**

RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.0145
Waste Quantity: 29
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000322884

Shipment Date: 20151203
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151210
Manifest ID: 008657277FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P075
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151203
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151210
Manifest ID: 008657277FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0935

WALGREENS #5773 (Continued) **S113148880**

Waste Quantity:	187
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	10/14/2016 18:31:45
Receipt Date:	20151215
Manifest ID:	008657278FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151210
Manifest ID:	008657277FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20151203
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151210
Manifest ID:	008657277FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

WALGREENS #5773 (Continued) **S113148880**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	5/24/2016 16:38:09
Receipt Date:	20151015
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

WALGREENS #5773 (Continued) **S113148880**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000322884
Shipment Date:	20151203
Creation Date:	10/14/2016 18:31:45
Receipt Date:	20151215
Manifest ID:	008657278FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001

WALGREENS #5773 (Continued) **S113148880**

Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151210
Manifest ID:	008657277FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151203
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151210
Manifest ID:	008657277FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0935
Waste Quantity:	187
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20151203
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151210
Manifest ID:	008657277FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151203
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151210
Manifest ID:	008657277FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

WALGREENS #5773 (Continued) **S113148880**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075

WALGREENS #5773 (Continued) **S113148880**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WALGREENS #5773 (Continued) **S113148880**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000322884

Shipment Date: 20141218
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007309603FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141218
Creation Date: 3/19/2015 22:14:50
Receipt Date: 20141223
Manifest ID: 007309603FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D010
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

WALGREENS #5773 (Continued) **S113148880**

Shipment Date:	20141218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

WALGREENS #5773 (Continued) **S113148880**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.048
Waste Quantity:	96
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141218
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141223
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

WALGREENS #5773 (Continued) **S113148880**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141218
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141223
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141218
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141223
Manifest ID:	007309603FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P

WALGREENS #5773 (Continued) **S113148880**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141218
Creation Date:	8/21/2015 22:15:14
Receipt Date:	20150113
Manifest ID:	007309602FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	WALGREENS #5773
Address:	11800 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000322884
Inactive Date:	09/28/2020
Create Date:	07/31/2007
Last Act Date:	04/06/2021
Mailing Name:	Not reported
Mailing Address:	104 WILMOT RD 5TH FLR MS 1450
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DEERFIELD, IL 60015
Owner Name:	WALGREEN CO.
Owner Address:	200 WILMOT RD MS 2273
Owner Address 2:	Not reported
Owner City,State,Zip:	DEERFIELD, IL 600150000
Contact Name:	KARINA ROMERO
Contact Address:	3207 GREY HAWK CT., SUITE 200
Contact Address 2:	Not reported
City,State,Zip:	CARLSBAD, CA 92010

NAICS:

EPA ID:	CAL000322884
Create Date:	2007-07-31 11:51:36.870
NAICS Code:	99999

WALGREENS #5773 (Continued) **S113148880**

NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2007-07-31 11:51:36.87000
Inactive Date:	2020-09-28 00:00:00
Facility Name:	WALGREENS #5773
Facility Address:	11800 ARTESIA BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

Name:	WALGREENS #5773
Address:	11800 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAR000314948
Inactive Date:	Not reported
Create Date:	11/17/2020
Last Act Date:	03/23/2021
Mailing Name:	Not reported
Mailing Address:	104 WILMOT RD 5TH FL MS1434
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DEERFIELD, IL 60015
Owner Name:	WALGREEN CO
Owner Address:	200 WILMOT RD
Owner Address 2:	Not reported
Owner City,State,Zip:	DEERFIELD, IL 60015
Contact Name:	AMBER DURKIN
Contact Address:	104 WILMOT RD 5TH FL MS1434
Contact Address 2:	Not reported
City,State,Zip:	DEERFIELD, IL 60015

NAICS:

EPA ID:	CAR000314948
Create Date:	2020-11-17 15:51:10.133
NAICS Code:	446110
NAICS Description:	Pharmacies and Drug Stores
Issued EPA ID Date:	2020-11-17 15:51:10.13000
Inactive Date:	Not reported
Facility Name:	WALGREENS #5773
Facility Address:	11800 ARTESIA BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

N95 **MONTGOMERY & CLARK** **EDR Hist Auto** **1020916693**
SE **11800 E ARTESIA** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.138 mi.
727 ft. **Site 4 of 7 in cluster N**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
60 ft. 1969 MONTGOMERY & CLARK Gasoline Service Stations
1970 MONTGOMERY & CLARK Gasoline Service Stations

N96 **IDEAL FLORIST (FORMER)** **LUST** **S104733114**
SE **11800 E ARTESIA BLVD** **Cortese** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.138 mi. **CERS**
727 ft. **Site 5 of 7 in cluster N**

Relative: LUST:
Lower

Actual: Name: IDEAL FLORIST (FORMER)
60 ft. Address: 11800 E ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705214
Global Id: T0603705214
Latitude: 33.872952
Longitude: -118.0821811
Status: Completed - Case Closed
Status Date: 08/29/2005
Case Worker: AJL
RB Case Number: R-13915
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: 013530-032571
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705214
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705214
Contact Type: Regional Board Caseworker
Contact Name: AHMAD J. LAMAA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 West 4th Street Suite 200
City: Los Angeles
Email: alamaa@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705214

IDEAL FLORIST (FORMER) (Continued) **S104733114**

Action Type:	Other
Date:	12/28/1993
Action:	Leak Reported
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	06/30/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	10/17/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603705214
Action Type:	ENFORCEMENT
Date:	08/08/2005
Action:	Notification - Preclosure
Global Id:	T0603705214
Action Type:	ENFORCEMENT
Date:	08/09/2005
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	05/06/2005
Action:	Request for Closure
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603705214
Action Type:	Other
Date:	12/16/1995
Action:	Leak Stopped
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603705214
Action Type:	RESPONSE
Date:	07/15/2004

IDEAL FLORIST (FORMER) (Continued) **S104733114**

Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: ENFORCEMENT
Date: 02/24/2003
Action: 13267 Requirement

Global Id: T0603705214
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: ENFORCEMENT
Date: 08/29/2005
Action: Closure/No Further Action Letter

Global Id: T0603705214
Action Type: ENFORCEMENT
Date: 05/17/2002
Action: Staff Letter

Global Id: T0603705214
Action Type: Other
Date: 12/15/1993
Action: Leak Discovery

IDEAL FLORIST (FORMER) (Continued) **S104733114**

Global Id: T0603705214
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 07/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603705214
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603705214
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705214
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603705214
Action Type: REMEDIATION

IDEAL FLORIST (FORMER) (Continued) **S104733114**

Date: 12/01/2003
Action: Excavation

LUST:
Global Id: T0603705214
Status: Open - Case Begin Date
Status Date: 12/15/1993

Global Id: T0603705214
Status: Open - Site Assessment
Status Date: 12/28/1993

Global Id: T0603705214
Status: Open - Site Assessment
Status Date: 03/06/2002

Global Id: T0603705214
Status: Open - Remediation
Status Date: 05/20/2002

Global Id: T0603705214
Status: Completed - Case Closed
Status Date: 08/29/2005

CORTESE:
Name: IDEAL FLORIST (FORMER)
Address: 11800 E ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603705214
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

LOS ANGELES CO. HMS:
Name: EVERGREEN PIONEER INC
Address: 11800 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA

IDEAL FLORIST (FORMER) (Continued) **S104733114**

Permit Category: T
Facility Id: 013530-032571
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 000286491
Permit Status: Removed

CERS:
Name: IDEAL FLORIST (FORMER)
Address: 11800 E ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 196446
CERS ID: T0603705214
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: AHMAD J. LAMAA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 West 4th Street Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

N97 **IDEAL FLORIST** **HIST CORTESE** **S102062175**
SE **11800 ARTESIA** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.138 mi.
727 ft. **Site 6 of 7 in cluster N**

Relative: HIST CORTESE:
Lower
Actual: edr_fname: IDEAL FLORIST
60 ft. edr_fadd1: 11800 ARTESIA
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13915

N98 **IDEAL FLORIST (FORMER)** **LUST** **S105690586**
SE **11800 ARTESIA BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.138 mi.
727 ft. **Site 7 of 7 in cluster N**

Relative: **Lower**

Actual: **60 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-13915	
Status:	Preliminary site assessment workplan submitted	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	013530-032571	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705214	
W Global ID:	Not reported	
Staff:	AJL	
Local Agency:	19000	
Cross Street:	PIONEER	
Enforcement Type:	DLLET	
Date Leak Discovered:	12/15/1993	
Date Leak First Reported:		12/28/1993
Date Leak Record Entered:	8/14/1995	
Date Confirmation Began:	12/28/1993	
Date Leak Stopped:	12/16/1995	
Date Case Last Changed on Database:		7/18/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	CHRIS LEE	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		893.95005964512180075358457 44
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		3/6/2002
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		12/28/1993
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		5/14/2004
Hist Max MTBE Conc in Groundwater:		0
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	ND	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	NATASHO UMRIGAR-MOLLA	
RP Address:	P.O. BOX 2292	
Program:	LUST	
Lat/Long:	33.872952 / -1	
Local Agency Staff:	Not reported	

IDEAL FLORIST (FORMER) (Continued) **S105690586**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	RECEIVED UST UNATHORIZED RELEASE DATED 1/30/02

O99 **GOLDEN STATE WATER CO. - ROSETON PLANT** **RCRA NonGen / NLR** **1026482557**
SW **17456 ROSETON AVE.** **CAC003088606**
1/8-1/4 **ARTESIA, CA 90701**
0.145 mi.
767 ft. **Site 1 of 2 in cluster O**

Relative: **Lower**
Actual: **59 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20201015
Handler Name:	GOLDEN STATE WATER CO. - ROSETON PLANT
Handler Address:	17456 ROSETON AVE.
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAC003088606
Contact Name:	JUDY TIMBERLAKE
Contact Address:	160 E. VIA VERDE
Contact City,State,Zip:	SAN DIMAS, CA 91773
Contact Telephone:	909-305-5427
Contact Fax:	Not reported
Contact Email:	JUDY.TIMBERLAKE@GSWATER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12035 BURKE ST., SUITE 1
Mailing City,State,Zip:	SANTA FE SPRINGS, CA 90670
Owner Name:	GOLDEN STATE WATER COMPANY
Owner Type:	Other
Operator Name:	JUDY TIMBERLAKE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

GOLDEN STATE WATER CO. - ROSETON PLANT (Continued) **1026482557**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201026
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GOLDEN STATE WATER COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	630 E. FOOTHILL BLVD
Owner/Operator City,State,Zip:	SAN DIMAS, CA 91773
Owner/Operator Telephone:	909-394-3600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JUDY TIMBERLAKE
Legal Status:	Other
Date Became Current:	Not reported

GOLDEN STATE WATER CO. - ROSETON PLANT (Continued) **1026482557**

Date Ended Current:	Not reported
Owner/Operator Address:	160 E. VIA VERDE
Owner/Operator City,State,Zip:	SAN DIMAS, CA 91773
Owner/Operator Telephone:	909-305-5427
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201015
Handler Name:	GOLDEN STATE WATER CO. - ROSETON PLANT
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221310
NAICS Description:	WATER SUPPLY AND IRRIGATION SYSTEMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

O100 **GOLDEN STATE WATER COMPANY - ROSETON** **RCRA NonGen / NLR** **1026464931**
SW **17456 ROSETON AVE** **CAC003070135**
1/8-1/4 **ARTESIA, CA 90701**
0.145 mi.
767 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**
Actual: **59 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20200609
Handler Name:	GOLDEN STATE WATER COMPANY - ROSETON
Handler Address:	17456 ROSETON AVE
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAC003070135
Contact Name:	STEVE GARTEN
Contact Address:	12035 BURKE ST.
Contact City,State,Zip:	SANTA FE SPRINGS, CA 90670
Contact Telephone:	562-907-9200
Contact Fax:	Not reported
Contact Email:	STEVEN.GARTEN@GSWATER.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

GOLDEN STATE WATER COMPANY - ROSETON (Continued) **1026464931**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12035 BURKE ST.
Mailing City,State,Zip:	SANTA FE SPRINGS, CA 90670
Owner Name:	GOLDEN STATE WATER COMPANY
Owner Type:	Other
Operator Name:	STEVE GARTEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

GOLDEN STATE WATER COMPANY - ROSETON (Continued) **1026464931**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEVE GARTEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12035 BURKE ST.
Owner/Operator City,State,Zip:	SANTA FE SPRINGS, CA 90670
Owner/Operator Telephone:	562-907-9200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GOLDEN STATE WATER COMPANY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	630 E. FOOTHILL BLVD
Owner/Operator City,State,Zip:	SAN DIMAS, CA 91773
Owner/Operator Telephone:	909-394-3600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200609
Handler Name:	GOLDEN STATE WATER COMPANY - ROSETON
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221310
NAICS Description:	WATER SUPPLY AND IRRIGATION SYSTEMS

Facility Has Received Notices of Violations:

GOLDEN STATE WATER COMPANY - ROSETON (Continued) **1026464931**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J101 **MCDONALD MFG INC** **RCRA NonGen / NLR** **1024796092**
West **17311 ROSETON** **CAL000172579**
1/8-1/4 **ARTESIA, CA 90701**
0.147 mi.
775 ft. **Site 4 of 4 in cluster J**

Relative: **Higher**
Actual: **64 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		19990302
Handler Name:	MCDONALD MFG INC	
Handler Address:		17311 ROSETON
Handler City,State,Zip:		ARTESIA, CA 90701-0000
EPA ID:		CAL000172579
Contact Name:		PAUL MCDONALD
Contact Address:		17311 ROSETON AVE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-924-5404
Contact Fax:		562-865-3090
Contact Email:		PAULMCD@MCDMFG.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17311 ROSETON
Mailing City,State,Zip:		ARTESIA, CA 90701-0000
Owner Name:		FRANCIS H & PAUL E MCDONALD
Owner Type:		Other
Operator Name:		PAUL MCDONALD
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

MCDONALD MFG INC (Continued) **1024796092**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PAUL MCDONALD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17311 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-924-5404
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FRANCIS H & PAUL E MCDONALD
Legal Status:	Other
Date Became Current:	Not reported

MCDONALD MFG INC (Continued) **1024796092**

Date Ended Current:	Not reported
Owner/Operator Address:	1614 W CHATEAU PL
Owner/Operator City,State,Zip:	ANAHEIM, CA 92802
Owner/Operator Telephone:	562-924-5404
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19990302
Handler Name: MCDONALD MFG INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	333923
NAICS Description:	OVERHEAD TRAVELING CRANE, HOIST, AND MONORAIL SYSTEM MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

L102 **MID CITYS ELECTRIC INC** **RCRA NonGen / NLR** **1024847866**
WNW **17117 ROSETON AVE** **CAL000403074**
1/8-1/4 **ARTESIA, CA 90701**
0.150 mi.
790 ft. **Site 5 of 6 in cluster L**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		20141217
62 ft. Handler Name:	MID CITYS ELECTRIC INC	
Handler Address:		17117 ROSETON AVE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000403074
Contact Name:		CURTIS VANDER MOLEN
Contact Address:		17117 ROSETON AVE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-402-8833
Contact Fax:		562-402-3825
Contact Email:		CURT@MIDCITYSELECTRIC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported

MID CITYS ELECTRIC INC (Continued) **1024847866**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17117 ROSETON AVE
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	MARLIN VANDER MOLEN
Owner Type:	Other
Operator Name:	CURTIS VANDER MOLEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

MID CITYS ELECTRIC INC (Continued) **1024847866**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARLIN VANDER MOLEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17117 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-402-8833
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CURTIS VANDER MOLEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17117 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-402-8833
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20141217
Handler Name: MID CITYS ELECTRIC INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	23531
NAICS Description:	ELECTRICAL CONTRACTORS

Facility Has Received Notices of Violations:

MID CITYS ELECTRIC INC (Continued) **1024847866**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L103 **J & N ELECTRIC** **LUST** **U001565240**
WNW **17107 ROSETON AVE** **SWEEPS UST** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **HIST UST**
0.155 mi. **Cortese**
820 ft. **Site 6 of 6 in cluster L** **HIST CORTESE**
CERS

Relative:
Lower

Actual:
62 ft.

LUST:

Name:	J & N ELECTRIC
Address:	17107 ROSETON AVE
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703852
Global Id:	T0603703852
Latitude:	33.875587
Longitude:	-118.087518
Status:	Completed - Case Closed
Status Date:	11/12/1996
Case Worker:	YR
RB Case Number:	I-11805
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603703852
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703852
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703852
Action Type:	Other
Date:	07/24/1990

J & N ELECTRIC (Continued) **U001565240**

Action: Leak Reported

Global Id: T0603703852
Action Type: Other
Date: 09/13/1989
Action: Leak Stopped

Global Id: T0603703852
Action Type: Other
Date: 09/13/1989
Action: Leak Discovery

LUST:
Global Id: T0603703852
Status: Open - Case Begin Date
Status Date: 09/13/1989

Global Id: T0603703852
Status: Completed - Case Closed
Status Date: 11/12/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-11805
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603703852
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 178TH ST.
Enforcement Type: Not reported
Date Leak Discovered: 9/13/1989
Date Leak First Reported: 7/24/1990
Date Leak Record Entered: 10/1/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 9/13/1989
Date Case Last Changed on Database: 5/12/1997
Date the Case was Closed: 11/12/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: NASON, JERRY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1143.012548218841182514451 6883
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported

J & N ELECTRIC (Continued) **U001565240**

Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	J & N ELECTRIC
RP Address:	17107 ROSETON AVE, ARTESIA CA 90701
Program:	LUST
Lat/Long:	33.875364 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	05/12/97 - REC'D LOC LETTER 01/31/97 - WELL ABANDONMENT

SWEEPS UST:

Name:	J AND N ELECTRIC
Address:	17107 ROSETON AVE
City:	ARTESIA
Status:	Active
Comp Number:	11805
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

Name:	J AND N ELECTRIC
Address:	17107 ROSETON AVE
City,State,Zip:	ARTESIA, CA 90701
File Number:	0002701F
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002701F.pdf
Region:	STATE
Facility ID:	00000005076

J & N ELECTRIC (Continued) **U001565240**

Facility Type:	Other
Other Type:	ELECTRICAL CONTRACTO
Contact Name:	JERRY NASON
Telephone:	2139240031
Owner Name:	J & N ELECTRIC
Owner Address:	17107 ROSETON AVE.
Owner City,St,Zip:	ARTESIA, CA 90701
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

CORTESE:

Name:	J & N ELECTRIC
Address:	17107 ROSETON AVE
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603703852
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

J & N ELECTRIC (Continued) **U001565240**

edr_fname: J & N ELECTRIC
edr_fadd1: 17107 ROSETON
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-11805

CERS:
Name: J & N ELECTRIC
Address: 17107 ROSETON AVE
City,State,Zip: ARTESIA, CA 90701
Site ID: 207356
CERS ID: T0603703852
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

104
NW
1/8-1/4
0.160 mi.
847 ft.

M G WATANBE INC DBA WEST COAST MICROWAVE **RCRA NonGen / NLR** **1024823043**
17031 ROSETON AVE **CAL000342662**
ARTESIA, CA 90701

Relative:
Lower

Actual:
62 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190619
Handler Name: M G WATANBE INC DBA WEST COAST MICROWAVE
Handler Address: 17031 ROSETON AVE
Handler City,State,Zip: ARTESIA, CA 90701-2642
EPA ID: CAL000342662
Contact Name: MICHAEL WATANABE
Contact Address: 17031 ROSETON AVE
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-547-9701
Contact Fax: 562-402-9699
Contact Email: MWATANABE.WCA@GMAIL.COM
Contact Title: PRES
EPA Region: 09

M G WATANBE INC DBA WEST COAST MICROWAVE (Continued) **1024823043**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E DEL AMO BLVD STE 240
Mailing City,State,Zip:	LAKEWOOD, CA 90715
Owner Name:	MICHAEL WATANABE
Owner Type:	Other
Operator Name:	WAYNE MURASHIGE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

M G WATANBE INC DBA WEST COAST MICROWAVE (Continued) **1024823043**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190628
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WAYNE MURASHIGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17031 ROSETON AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-402-8989
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHAEL WATANABE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19220 MADEIRA COURT
Owner/Operator City,State,Zip:	CERRITOS, CA 90703-7388
Owner/Operator Telephone:	562-467-0721
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190619
Handler Name:	M G WATANBE INC DBA WEST COAST MICROWAVE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

M G WATANBE INC DBA WEST COAST MICROWAVE (Continued) **1024823043**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P105 **BOULEVARD CLEANERS** **RCRA-SQG** **1000281901**
ESE **11831 ARTESIA BLVD** **CERS HAZ WASTE** **CAD981621964**
1/8-1/4 **ARTESIA, CA 90701** **FINDS**
0.167 mi. **ECHO**
882 ft. **Site 1 of 9 in cluster P** **DRYCLEANERS**
EMI
Relative: Lower **HAZNET**
CERS
Actual: 61 ft. **HWTS**

RCRA-SQG:

Date Form Received by Agency:		19960901
Handler Name:	BOULEVARD CLEANERS	
Handler Address:		11831 ARTESIA BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAD981621964
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		11831 ARTESIA BLVD
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No

BOULEVARD CLEANERS (Continued) **1000281901**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020917
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LIA CHESTER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BOULEVARD CLEANERS (Continued) **1000281901**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: BOULEVARD CLEANERS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19861226
Handler Name: BOULEVARD CLEANERS	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	81232
NAICS Description:	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19941114
Actual Return to Compliance Date:	19991114
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

BOULEVARD CLEANERS (Continued) **1000281901**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19941114
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19991114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CERS HAZ WASTE:

Name:	ARTESIA CENTER CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	93526
CERS ID:	10280173
CERS Description:	Hazardous Waste Generator

FINDS:
Registry ID: 110002727265

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource

BOULEVARD CLEANERS (Continued) **1000281901**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000281901
Registry ID:	110002727265
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002727265
Name:	BOULEVARD CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701

DRYCLEANERS:

Name:	AJAY CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 907014002
EPA Id:	CAL000297623
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	08/17/2005
Facility Active:	No
Inactive Date:	05/18/2006
Facility Addr2:	Not reported
Owner Name:	JAYESH PATEL
Owner Address:	2462 CLARENDON AVE
Owner Address 2:	Not reported
Owner Telephone:	7142732648
Contact Name:	JAYESH PATEL
Contact Address:	2462 CLARENDON AVE
Contact Address 2:	Not reported
Contact Telephone:	7142732648
Contact Fax:	3235831978
Mailing Name:	Not reported
Mailing Address 1:	11831 ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City:	ARTESIA
Mailing State:	CA
Mailing Zip:	907014002
Owner Fax:	Not reported
Region Code:	3
Latitude:	33.873119
Longitude:	-118.081554

Name:	ARTESIA CENTER CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 907014002
EPA Id:	CAL000306979
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211

BOULEVARD CLEANERS (Continued) **1000281901**

SIC Description:	Power Laundries, Family and Commercial
Create Date:	05/18/2006
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	SOTERO MURGUIA
Owner Address:	11831 ARTESIA BLVD
Owner Address 2:	Not reported
Owner Telephone:	5628607631
Contact Name:	SOTERO MURGUIA
Contact Address:	13812 ARTHUR AVE STE 8
Contact Address 2:	Not reported
Contact Telephone:	5628607631
Contact Fax:	0
Mailing Name:	Not reported
Mailing Address 1:	11831 ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City:	ARTESIA
Mailing State:	CA
Mailing Zip:	907014002
Owner Fax:	0
Region Code:	3
Latitude:	33.873119
Longitude:	-118.081554

DRYCLEAN SOUTH COAST:

Name:	BOULEVARD CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	83024
Application Number:	242012
Permit Number:	D36544
Status:	O
Representative Name:	JUNG K. HONG
Representative Telephone:	562 8607631
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	399.95999146
UTM North:	3748.4208984
Application Date:	12/03/1990
PO Issue Date:	03/04/1991
NAICS Code:	Not reported
SIC Code:	7216

Name:	BOULEVARD CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	42767
Application Number:	118979
Permit Number:	M37506
Status:	S
Representative Name:	LIA I. CHESHER
Representative Telephone:	213 8651116
Permit Status:	INACTIVE

BOULEVARD CLEANERS (Continued) **1000281901**

BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 0
UTM North: 0
Application Date: 01/12/1984
PO Issue Date: 04/24/1984
NAICS Code: Not reported
SIC Code: 7216

EMI:
Name: BOULEVARD CLEANERS, LIA I. CHE
Address: 11831 ARTESIA BL
City,State,Zip: ARTESIA, CA 907010000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 42767
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HAZNET:
Name: BOULEVARD CLEANERS
Address: 11831 ARTESIA BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907010000
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 11831 ARTESIA BLVD

Year: 2004
Gepaid: CAD981621964
TSD EPA ID: NVR000076158
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: -
Tons: 0.2851

Year: 2002
Gepaid: CAD981621964
TSD EPA ID: CAD008302903
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01 - Recycler

BOULEVARD CLEANERS (Continued) **1000281901**

Tons:	0.1251
Year:	2002
Gepaid:	CAD981621964
TSD EPA ID:	CAD008302903
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	0.375
Year:	1999
Gepaid:	CAD981621964
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.2524
Year:	1998
Gepaid:	CAD981621964
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.6821
Year:	1997
Gepaid:	CAD981621964
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.5131
Year:	1996
Gepaid:	CAD981621964
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.8197
Year:	1995
Gepaid:	CAD981621964
TSD EPA ID:	CAD981397417
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	R01 - Recycler
Tons:	0.5381
Year:	1987
Gepaid:	CAD981621964
TSD EPA ID:	CAD980737584
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	14 -
Tons:	0.195

BOULEVARD CLEANERS (Continued) **1000281901**

Additional Info:

Year:	2004
Gen EPA ID:	CAD981621964
Shipment Date:	20040927
Creation Date:	12/21/2004 18:30:50
Receipt Date:	20041005
Manifest ID:	24277624
Trans EPA ID:	CAR000063921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040927
Creation Date:	12/21/2004 18:30:50
Receipt Date:	20041005
Manifest ID:	24277624
Trans EPA ID:	CAR000063921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996

BOULEVARD CLEANERS (Continued) **1000281901**

Gen EPA ID:	CAD981621964
Shipment Date:	19961004
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961007
Manifest ID:	96356805
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961004
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961007
Manifest ID:	96356805
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.6321
Waste Quantity:	0.75
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981621964
Shipment Date:	19950327

BOULEVARD CLEANERS (Continued) **1000281901**

Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950328
Manifest ID:	95190205
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1167
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950327
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950328
Manifest ID:	95190205
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.4214
Waste Quantity:	0.5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD981621964

Shipment Date:	19980811
Creation Date:	12/7/1998 0:00:00
Receipt Date:	19980812
Manifest ID:	98078089

BOULEVARD CLEANERS (Continued) **1000281901**

Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.05
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980811
Creation Date:	12/7/1998 0:00:00
Receipt Date:	19980812
Manifest ID:	98078089
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.6321
Waste Quantity:	0.75
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD981621964
Shipment Date:	20020128
Creation Date:	6/7/2002 18:30:54
Receipt Date:	20020208
Manifest ID:	21716364
Trans EPA ID:	CAR000036921
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

BOULEVARD CLEANERS (Continued) **1000281901**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020128
Creation Date:	6/7/2002 18:30:54
Receipt Date:	20020208
Manifest ID:	21716364
Trans EPA ID:	CAR000036921
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD981621964

Shipment Date:	19990112
Creation Date:	4/5/1999 0:00:00
Receipt Date:	19990113
Manifest ID:	98889537
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported

BOULEVARD CLEANERS (Continued) **1000281901**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code: F002
Meth Code: R01 - Recycler
Quantity Tons: 0.0417
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990112
Creation Date: 4/5/1999 0:00:00
Receipt Date: 19990113
Manifest ID: 98889537
Trans EPA ID: CAD981414386
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD981397417
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code: F002
Meth Code: R01 - Recycler
Quantity Tons: 0.2107
Waste Quantity: 0.25
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAD981621964

Shipment Date: 19971007
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971008
Manifest ID: 96801435
Trans EPA ID: CAD981414386
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD981397417
Trans Name: Not reported
TSDF Alt EPA ID: CAD981397417
TSDF Alt Name: Not reported
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride,

BOULEVARD CLEANERS (Continued) **1000281901**

	perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0917
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971007
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971008
Manifest ID:	96801435
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981397417
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.4214
Waste Quantity:	0.5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	ARTESIA CENTER CLEANERS
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	93526
CERS ID:	10280173
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	93526
Site Name:	ARTESIA CENTER CLEANERS
Violation Date:	01-28-2021
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	OBSERVATION: Copies of hazardous waste disposal records (manifest/bill

BOULEVARD CLEANERS (Continued) **1000281901**

of lading/receipts, etc) for the waste hydrocarbon was not available at the time of facility visit. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three (3) years and have them readily available for review. CORRECTIVE ACTION: Locate the copies of the hazardous waste disposal records (manifest/bill of lading/receipts, etc) for the last 3 years and send a copy via email to CUPA inspector. Complete then submit the Certification of Compliance via email to CUPA inspector on or before the compliance date

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 93526
Site Name: ARTESIA CENTER CLEANERS
Violation Date: 10-21-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/20/2016. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan by 11/21/2014 CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 93526
Site Name: ARTESIA CENTER CLEANERS
Violation Date: 01-02-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 02/02/2018. OBSERVATION: A 55 gallon blue drum indicating it contained waste hydrocarbons was observed without an accumulation start date and a manifest/receipt demonstrating disposal within the past 180 days was not available. The last documentated hazwaste disposal wasl dated 4/27/2016. CORRECTIVE ACTION: Since it cannot be determined how long the drum of waste hydrocarbon have been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste and submit a copy of the manifest to the CUPA by 2/1/2018. Provide a copy of the manifest via email.
Violation Division: Los Angeles County Fire Department

BOULEVARD CLEANERS (Continued) **1000281901**

Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SOTERO MURGUIA OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SOTERO MURGUIA OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: IVN04EMZP
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No significant violations observed on inspection date.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

BOULEVARD CLEANERS (Continued) **1000281901**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SOTERO MURGUIA OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SOTERO MURGUIA OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 93526
Facility Name: ARTESIA CENTER CLEANERS
Env Int Type Code: HWG
Program ID: 10280173
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.873370
Longitude: -118.081180

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: JUNG HONG
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: SOTERO MURGUIA
Entity Title: Not reported
Affiliation Address: 11831 ARTESIA
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 860-7631

Affiliation Type Desc: Parent Corporation
Entity Name: ARTESIA CENTER CLEANERS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

BOULEVARD CLEANERS (Continued) **1000281901**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: SOTERO MURGUIA
Entity Title: Not reported
Affiliation Address: 11831 ARTESIA BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 11831 ARTESIA BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90701
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: SOTERO MURGUIA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 860-7631

HWTS:
Name: BOULEVARD CLEANERS
Address: 11831 ARTESIA BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 907010000
EPA ID: CAL000034333
Inactive Date: 06/30/1998
Create Date: 05/16/1990
Last Act Date: 04/27/1999
Mailing Name: Not reported
Mailing Address: 11831 ARTESIA BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: ARTESIA, CA 907014002

BOULEVARD CLEANERS (Continued) **1000281901**

Owner Name:	HONG JUNG KI
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	--
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	- BATCH 4/27
City,State,Zip:	--, 99 --
Name:	BOULEVARD CLEANERS
Address:	11831 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAD981621964
Inactive Date:	06/30/1998
Create Date:	07/03/1987
Last Act Date:	04/11/2006
Mailing Name:	Not reported
Mailing Address:	11831 ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907014002
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	--
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	- BATCH 4/27
City,State,Zip:	--, 99 --

P106 **BOULEVARD CLEANERS** **EDR Hist Cleaner** **1019942184**
ESE **11831 ARTESIA BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.167 mi.
882 ft. **Site 2 of 9 in cluster P**

Relative: EDR Hist Cleaner
Lower

Actual: **61 ft.**

Year:	Name:	Type:
1985	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1986	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1987	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1988	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1989	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1990	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1991	BOULEVARD CLEANERS & LAUNDRY	Drycleaning Plants, Except Rugs
1992	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1993	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1994	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1995	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1996	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1997	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1998	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
1999	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2000	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2001	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2002	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2003	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs

BOULEVARD CLEANERS (Continued) **1019942184**

2004	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2005	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2006	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2007	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2008	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2009	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2010	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2011	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2012	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2013	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs
2014	BOULEVARD CLEANERS	Drycleaning Plants, Except Rugs

P107 **ARTESIA CENTER CLEANERS, SOTERO MURGUIA** **DRYCLEANERS** **S121695950**
ESE **11831 ARTESIA BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.167 mi.
882 ft. **Site 3 of 9 in cluster P**

Relative: **Lower**
Actual: **61 ft.**

DRYCLEAN SOUTH COAST:

Name:	ARTESIA CENTER CLEANERS, SOTERO MURGUIA
Address:	11831 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	148775
Application Number:	458992
Permit Number:	F84338
Status:	A
Representative Name:	SOTERO MURGUIA
Representative Telephone:	562 8607631
Permit Status:	EXPIRED
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	399.97000122
UTM North:	3748.4199219
Application Date:	07/25/2006
PO Issue Date:	09/26/2006
NAICS Code:	812320
SIC Code:	7216

P108 **ARTESIA CENTER CLEANERS** **RCRA NonGen / NLR** **1024813970**
ESE **11831 ARTESIA BLVD** **CAL000306979**
1/8-1/4 **ARTESIA, CA 90701**
0.167 mi.
882 ft. **Site 4 of 9 in cluster P**

Relative: **Lower**
Actual: **61 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20060518
Handler Name:	ARTESIA CENTER CLEANERS
Handler Address:	11831 ARTESIA BLVD
Handler City,State,Zip:	ARTESIA, CA 90701-4002
EPA ID:	CAL000306979
Contact Name:	SOTERO MURGUIA
Contact Address:	13812 ARTHUR AVE STE 8
Contact City,State,Zip:	PARAMOUNT, CA 90723
Contact Telephone:	562-860-7631

ARTESIA CENTER CLEANERS (Continued) **1024813970**

Contact Fax:	000-000-0000
Contact Email:	DORAPINONES@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11831 ARTESIA BLVD
Mailing City,State,Zip:	ARTESIA, CA 90701-4002
Owner Name:	SOTERO MURGUIA
Owner Type:	Other
Operator Name:	SOTERO MURGUIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

ARTESIA CENTER CLEANERS (Continued) **1024813970**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOTERO MURGUIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13812 ARTHUR AVE STE 8
Owner/Operator City,State,Zip:	PARAMOUNT, CA 90723
Owner/Operator Telephone:	562-860-7631
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOTERO MURGUIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11831 ARTESIA BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-4002
Owner/Operator Telephone:	562-860-7631
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060518
Handler Name:	ARTESIA CENTER CLEANERS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ARTESIA CENTER CLEANERS (Continued) **1024813970**

List of NAICS Codes and Descriptions:
NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P109 **AJAY CLEANERS, JAYESH K PATEL** **DRYCLEANERS** **S121695570**
ESE **11831 ARTESIA BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.167 mi.
882 ft. **Site 5 of 9 in cluster P**

Relative: **Lower**
Actual: **61 ft.**

DRYCLEAN SOUTH COAST:
Name: AJAY CLEANERS, JAYESH K PATEL
Address: 11831 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Facility ID: 142516
Application Number: 436544
Permit Number: F71807
Status: S
Representative Name: JAYESH K. PATEL
Representative Telephone: 562 8607631
Permit Status: INACTIVE
BCAT Number: 000233
BCAT Description: DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 0
UTM North: 0
Application Date: 11/02/2004
PO Issue Date: 11/10/2004
NAICS Code: Not reported
SIC Code: 7216

P110 **DOLLAR TREE #04575** **RCRA NonGen / NLR** **1024835899**
ESE **11837 ARTESIA BLVD** **CAL000378449**
1/8-1/4 **ARTESIA, CA 90701**
0.172 mi.
906 ft. **Site 6 of 9 in cluster P**

Relative: **Lower**
Actual: **61 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20120920
Handler Name: DOLLAR TREE #04575
Handler Address: 11837 ARTESIA BLVD
Handler City,State,Zip: ARTESIA, CA 90701-4002
EPA ID: CAL000378449
Contact Name: ANGELA JONES
Contact Address: 500 VOLVO PKWY
Contact City,State,Zip: CHESAPEAKE, VA 23320-1604
Contact Telephone: 757-321-5761

DOLLAR TREE #04575 (Continued) **1024835899**

Contact Fax:	757-321-5160
Contact Email:	AJONES@DOLLARTREE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	500 VOLVO PKWY
Mailing City,State,Zip:	CHESAPEAKE, VA 23320-1604
Owner Name:	DOLLAR TREE STORES, INC.
Owner Type:	Other
Operator Name:	ANGELA JONES
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

DOLLAR TREE #04575 (Continued) **1024835899**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DOLLAR TREE STORES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	500 VOLVO PKWY
Owner/Operator City,State,Zip:	CHESAPEAKE, VA 23320-1604
Owner/Operator Telephone:	757-321-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANGELA JONES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	500 VOLVO PKWY
Owner/Operator City,State,Zip:	CHESAPEAKE, VA 23320-1604
Owner/Operator Telephone:	757-321-5761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120920
Handler Name: DOLLAR TREE #04575	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

DOLLAR TREE #04575 (Continued) **1024835899**

List of NAICS Codes and Descriptions:
NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P111 **DOLLAR TREE #04575** **CERS HAZ WASTE** **S117310765**
ESE **11837 ARTESIA BLVD** **HAZNET** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **CERS**
0.172 mi. **HWTS**
906 ft. **Site 7 of 9 in cluster P**

Relative: **Lower**
Actual: **61 ft.**

CERS HAZ WASTE:
Name: DOLLAR TREE #04575
Address: 11837 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 112178
CERS ID: 10176097
CERS Description: Hazardous Waste Generator

HAZNET:
Name: DOLLAR TREE #04575
Address: 11837 ARTESIA BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 233201604
Contact: ANGELA JONES
Telephone: 7573215761
Mailing Name: Not reported
Mailing Address: 500 VOLVO PKWY

Year: 2019
Gepaid: CAL000378449
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00350

Year: 2019
Gepaid: CAL000378449
TSD EPA ID: NVD980895338
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00400

Year: 2019
Gepaid: CAL000378449
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

DOLLAR TREE #04575 (Continued) **S117310765**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05250
Year:	2018
Gepaid:	CAL000378449
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00100
Year:	2018
Gepaid:	CAL000378449
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00400
Year:	2018
Gepaid:	CAL000378449
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00500
Year:	2017
Gepaid:	CAL000378449
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.028
Year:	2017
Gepaid:	CAL000378449
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005
Year:	2017
Gepaid:	CAL000378449
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2016
Gepaid:	CAL000378449
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

DOLLAR TREE #04575 (Continued) **S117310765**

Tons: 0.0095

Click this hyperlink while viewing on your computer to access
19 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2015
Gen EPA ID:	CAL000378449
Shipment Date:	20150718
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150821
Manifest ID:	008507012FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE

DOLLAR TREE #04575 (Continued) **S117310765**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150422
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150428
Manifest ID:	005828168FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150422
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150428
Manifest ID:	005828168FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50

DOLLAR TREE #04575 (Continued) **S117310765**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150422
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150428
Manifest ID:	005828168FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.049
Waste Quantity:	98
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000378449
Shipment Date:	20170920
Creation Date:	5/30/2018 18:33:59
Receipt Date:	20170926
Manifest ID:	010800776FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170920
Creation Date:	5/30/2018 18:33:59
Receipt Date:	20170926
Manifest ID:	010800776FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170920
Creation Date:	5/30/2018 18:33:59
Receipt Date:	20170926
Manifest ID:	010800776FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170421
Creation Date:	5/9/2018 18:32:07
Receipt Date:	20170427

DOLLAR TREE #04575 (Continued) **S117310765**

Manifest ID:	010203442FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170421
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010203442FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170421
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010203442FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

DOLLAR TREE #04575 (Continued) **S117310765**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170421
Creation Date:	5/9/2018 18:32:07
Receipt Date:	20170427
Manifest ID:	010203442FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170421
Creation Date:	5/9/2018 18:32:07
Receipt Date:	20170427
Manifest ID:	010203442FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005

DOLLAR TREE #04575 (Continued) **S117310765**

Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170421
Creation Date:	5/9/2018 18:32:07
Receipt Date:	20170427
Manifest ID:	010203442FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SST
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000378449
Shipment Date:	20131125
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131210
Manifest ID:	006270243FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131125
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131210
Manifest ID:	006270243FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0265
Waste Quantity:	53
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130710
Creation Date:	11/7/2013 22:15:06
Receipt Date:	20130719
Manifest ID:	005827651FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.049
Waste Quantity:	98
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130710
Creation Date:	11/7/2013 22:15:06
Receipt Date:	20130719

DOLLAR TREE #04575 (Continued) **S117310765**

Manifest ID:	005827651FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130129
Creation Date:	6/27/2013 22:15:06
Receipt Date:	20130208
Manifest ID:	005495684FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130129
Creation Date:	6/27/2013 22:15:06
Receipt Date:	20130208
Manifest ID:	005495684FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130129
Creation Date:	6/27/2013 22:15:06
Receipt Date:	20130208
Manifest ID:	005495684FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130129
Creation Date:	6/27/2013 22:15:06
Receipt Date:	20130208
Manifest ID:	005495684FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3

DOLLAR TREE #04575 (Continued) **S117310765**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130129
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005495684FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000378449
Shipment Date:	20141129
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141208
Manifest ID:	007297287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141129
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141208
Manifest ID:	007297287FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140818
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140825
Manifest ID:	005138591FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140818
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140825
Manifest ID:	005138591FLE

DOLLAR TREE #04575 (Continued) **S117310765**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140818
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140825
Manifest ID:	005138591FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140818
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140825
Manifest ID:	005138591FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0855
Waste Quantity:	171
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140710
Creation Date:	12/11/2014 22:14:52
Receipt Date:	20140715
Manifest ID:	005138439FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140710
Creation Date:	12/11/2014 22:14:52
Receipt Date:	20140715
Manifest ID:	005138439FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3

DOLLAR TREE #04575 (Continued) **S117310765**

Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140710
Creation Date:	12/11/2014 22:14:52
Receipt Date:	20140715
Manifest ID:	005138439FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140710
Creation Date:	12/11/2014 22:14:52
Receipt Date:	20140715
Manifest ID:	005138439FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0215
Waste Quantity:	43
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

Additional Info:

Year:	2016
Gen EPA ID:	CAL000378449
Shipment Date:	20150718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724

DOLLAR TREE #04575 (Continued) **S117310765**

Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

DOLLAR TREE #04575 (Continued) **S117310765**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150724
Manifest ID:	008507013FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150718
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150821
Manifest ID:	008507012FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005

DOLLAR TREE #04575 (Continued) **S117310765**

Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150422
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150428
Manifest ID:	005828168FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150422
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150428
Manifest ID:	005828168FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.049
Waste Quantity:	98
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

Shipment Date:	20150422
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150428
Manifest ID:	005828168FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	DOLLAR TREE #04575
Address:	11837 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	112178
CERS ID:	10176097
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Martha Jimenez
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Martha Jimenez

DOLLAR TREE #04575 (Continued) **S117310765**

Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Lisa Delgado, Store Manager No significant violations observed.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Keith Roberts, Store Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Lisa Delgado, Store Manager No significant violations observed.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Keith Roberts, Store Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	112178
Facility Name:	Dollar Tree #04575
Env Int Type Code:	HWG
Program ID:	10176097
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.873150

DOLLAR TREE #04575 (Continued) **S117310765**

Longitude: -118.080910

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Sherry Aebersold
Entity Title:	Not reported
Affiliation Address:	1122 Runway Drive
Affiliation City:	Stockton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95206
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Jose Figueroa
Entity Title:	EH&S Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 Volvo Parkway EH&S
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320-1604
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	JOSE FIGUEROA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Legal Owner
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	500 Volvo Parkway

DOLLAR TREE #04575 (Continued) **S117310765**

Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	United States
Affiliation Zip:	23320-1604
Affiliation Phone:	(757) 321-5000
Affiliation Type Desc:	Operator
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(757) 321-5000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Pioneer Artesia Center, GP c/o Luko Management
Entity Title:	Not reported
Affiliation Address:	16400 PCH, Suite 207
Affiliation City:	Huntington Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92649
Affiliation Phone:	(562) 592-6020

HWTS:

Name:	DOLLAR TREE #04575
Address:	11837 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907014002
EPA ID:	CAL000378449
Inactive Date:	Not reported
Create Date:	09/20/2012
Last Act Date:	09/07/2020
Mailing Name:	Not reported
Mailing Address:	500 VOLVO PKWY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CHESAPEAKE, VA 233201604
Owner Name:	DOLLAR TREE STORES, INC.
Owner Address:	500 VOLVO PKWY
Owner Address 2:	Not reported
Owner City,State,Zip:	CHESAPEAKE, VA 233201604
Contact Name:	JESSICA DUBUQUE
Contact Address:	500 VOLVO PKWY
Contact Address 2:	Not reported

DOLLAR TREE #04575 (Continued) **S117310765**

City,State,Zip: CHESAPEAKE, VA 233201604

NAICS:

EPA ID: CAL000378449
Create Date: 2012-09-20 14:53:59.190
NAICS Code: 45299
NAICS Description: All Other General Merchandise Stores
Issued EPA ID Date: 2012-09-20 14:53:59.12700
Inactive Date: Not reported
Facility Name: DOLLAR TREE #04575
Facility Address: 11837 ARTESIA BLVD
Facility Address 2: Not reported
Facility City: ARTESIA
Facility County: Not reported
Facility State: CA
Facility Zip: 907014002

Q112 **SHIL PARK PAINT INC** **RCRA NonGen / NLR** **1024825255**
WSW **11521 ARTESIA BLVD** **CAL000350641**
1/8-1/4 **ARTESIA, CA 90701**
0.180 mi.
948 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**

Actual: **62 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency: 20100308
Handler Name: SHIL PARK PAINT INC
Handler Address: 11521 ARTESIA BLVD
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAL000350641
Contact Name: PETER HWANG
Contact Address: 11521 ARTESIA BLVD
Contact City,State,Zip: ARTESIA, CA 90701-0000
Contact Telephone: 562-924-0292
Contact Fax: 562-924-0840
Contact Email: PETERHWANG74@HOTMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 11521 ARTESIA BLVD
Mailing City,State,Zip: ARTESIA, CA 90701
Owner Name: SHIL PARK PAINT INC
Owner Type: Other
Operator Name: PETER HWANG
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

SHIL PARK PAINT INC (Continued) **1024825255**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PETER HWANG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

SHIL PARK PAINT INC (Continued) **1024825255**

Owner/Operator Address:	11521 ARTESIA BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-0000
Owner/Operator Telephone:	562-924-0292
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHIL PARK PAINT INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1640 S VERMONT AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90006-0000
Owner/Operator Telephone:	323-732-7093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100308
Handler Name: SHIL PARK PAINT INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44419
NAICS Description:	OTHER BUILDING MATERIAL DEALERS
NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

Q113 **SHIL PARK PAINT** **CERS HAZ WASTE** **S123502217**
WSW **11521 ARTESIA BLVD** **CERS** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.180 mi.
948 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
62 ft.

CERS HAZ WASTE:
Name: SHIL PARK PAINT
Address: 11521 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 153220
CERS ID: 10268965
CERS Description: Hazardous Waste Generator

CERS:
Name: SHIL PARK PAINT
Address: 11521 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 153220
CERS ID: 10268965
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 153220
Site Name: SHIL PARK PAINT
Violation Date: 07-17-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/14/2018. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed more than ten 1-gallon containers, 5-gallon containers, and quart sized containers either without labels or unreadable label stored outside of the building on the north side of the property. Operator stated that most of the containers were dropped off at their location by public without them knowing about it, other containers appears to be empty. Three paint care bins were available on site. One of the three bins was not full. Operator will contact a licensed hazardous waste hauler to properly dispose of the containers. CORRECTIVE ACTION: Since it cannot be determined how long the containers have been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste and submit a copy [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 153220
Site Name: SHIL PARK PAINT
Violation Date: 07-17-2018
Citation: 22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171
Violation Description: Failure to accumulate hazardous waste in a container that is in good

SHIL PARK PAINT (Continued) **S123502217**

condition.
Violation Notes: Returned to compliance on 08/13/2018. OBSERVATION: A 55 gallon metal drum labeled as flammable waste solids (contained used paint rags) was observed with rust on the top/cover. CORRECTIVE ACTION: Submit photos to the CUPA via email demonstrating the waste listed above has been transferred into a container that is in good condition or submit a manifest/receipt via email demonstrating the waste has been properly disposed of by a licensed hazardous waste hauler.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 153220
Site Name: SHIL PARK PAINT
Violation Date: 07-17-2018
Citation: HSC 6.5 25201 - California Health and Safety Code, Chapter 6.5, Section(s) 25201
Violation Description: Failure to obtain a permit or grant of interim status after generator has accumulated hazardous waste on-site for longer than 90 days.
Violation Notes: Returned to compliance on 08/13/2018. OBSERVATION: The following were observed without accumulation start date. A manifest/receipt demonstrating disposal within the past 90 days was not available at the time of inspection. - One 55 gallon metal drum labeled as flammable waste solids (contained used paint rags) - One 55 gallon poly drum labeled as water borne cleaning solution waste CORRECTIVE ACTION: Dispose of the flammable waste solids and water borne cleaning solution waste and submit via email a copy of the manifest/receipt to the CUPA by 8/16/2018.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 08-14-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Rcvd photo and copy of bill of lading from operator NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No significant violations observed on inspection date.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PETER HWANG, General Manager KEVIN CHANG, Store Manager
Eval Division: Los Angeles County Fire Department

SHIL PARK PAINT (Continued) **S123502217**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No significant violations observed on inspection date.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PETER HWANG, General Manager KEVIN CHANG, Store Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 153220
Facility Name: SHIL PARK PAINT
Env Int Type Code: HMBP
Program ID: 10268965
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.873340
Longitude: -118.087980

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: SHIL K. PARK
Entity Title: Not reported
Affiliation Address: 1640 S VERMONT AVE
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90007
Affiliation Phone: (323) 732-7093

Affiliation Type Desc: Parent Corporation
Entity Name: SHIL PARK PAINT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1640 S VERMONT AVE

SHIL PARK PAINT (Continued) **S123502217**

Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90007
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	SHIL PARK ARTESIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 469-4642
Affiliation Type Desc:	Property Owner
Entity Name:	SHIL K. PARK
Entity Title:	Not reported
Affiliation Address:	1640 S VERMONT AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90007
Affiliation Phone:	(323) 732-7093
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Environmental Contact
Entity Name:	PETER HWANG
Entity Title:	Not reported
Affiliation Address:	11521 ARTESIA BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

P114 **CVS PHARMACY NO 9488** **RCRA-LQG** **1016139995**
ESE **11851 ARTESIA BLVD** **FINDS** **CAR000235754**
1/8-1/4 **ARTESIA, CA 90701** **ECHO**
0.182 mi.
961 ft. **Site 8 of 9 in cluster P**

Relative: **Lower**
Actual: **61 ft.**

RCRA-LQG:

Date Form Received by Agency:		20200217
Handler Name:	CVS PHARMACY # 9488	
Handler Address:		11851 ARTESIA BOULEVARD
Handler City,State,Zip:		ARTESIA, CA 90701-0000

CVS PHARMACY NO 9488 (Continued) **1016139995**

EPA ID:	CAR000235754
Contact Name:	NICOLE WILKINSON
Contact Address:	CVS DRIVE MC2340
Contact City,State,Zip:	WOONSOCKET, RI 02895
Contact Telephone:	401-770-7132
Contact Fax:	Not reported
Contact Email:	NICOLE.WILKINSON@CVSHEALTH.COM
Contact Title:	DIRECTOR CORPORATE ENVIRONMENTAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CVS DRIVE MC2340
Mailing City,State,Zip:	WOONSOCKET, RI 02895
Owner Name:	PIONEER ARTESIA CENTER
Owner Type:	Private
Operator Name:	GARFIELD BEACH CVS, L.L.C.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

CVS PHARMACY NO 9488 (Continued) **1016139995**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201016
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007

CVS PHARMACY NO 9488 (Continued) **1016139995**

Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D025
Waste Description: P-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

CVS PHARMACY NO 9488 (Continued) **1016139995**

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P188
Waste Description: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U010
Waste Description: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

Waste Code: U031
Waste Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U059
Waste Description: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

Waste Code: U070
Waste Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U089
Waste Description: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U132

CVS PHARMACY NO 9488 (Continued) **1016139995**

Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U200
Waste Description: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U204
Waste Description: SELENIOUS ACID (OR) SELENIUM DIOXIDE

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U206
Waste Description: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U279
Waste Description: U279

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: GARFIELD BEACH CVS, L.L.C.
Legal Status: Private
Date Became Current: 20060602
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

CVS PHARMACY NO 9488 (Continued) **1016139995**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GARFIELD BEACH CVS LLC
Legal Status:	Private
Date Became Current:	20060602
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PIONEER ARTESIA CENTER
Legal Status:	Private
Date Became Current:	19981201
Date Ended Current:	Not reported
Owner/Operator Address:	16400 PACIFIC COAST HWY
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92649
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PIONEER ARTESIA CTR
Legal Status:	Private
Date Became Current:	19981201
Date Ended Current:	Not reported
Owner/Operator Address:	16400 PACIFIC COAST HWY
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92649
Owner/Operator Telephone:	562-592-6005
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GARFIELD BEACH CVS, L.L.C.
Legal Status:	Private
Date Became Current:	20060602
Date Ended Current:	Not reported
Owner/Operator Address:	1 CVS DRIVE
Owner/Operator City,State,Zip:	WOONSOCKET, RI 02895
Owner/Operator Telephone:	401-765-1500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PIONEER ARTESIA CENTER
Legal Status:	Private
Date Became Current:	19981201
Date Ended Current:	Not reported
Owner/Operator Address:	16400 PACIFIC COAST HWY STE 207
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92649
Owner/Operator Telephone:	562-592-6005
Owner/Operator Telephone Ext:	Not reported

CVS PHARMACY NO 9488 (Continued) **1016139995**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PIONEER ARTESIA CENTER
Legal Status:	Private
Date Became Current:	19981201
Date Ended Current:	Not reported
Owner/Operator Address:	16400 PACIFIC COAST HWY, STE 207
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92649
Owner/Operator Telephone:	562-592-6005
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	NICOLE.WILKINSON@CVSHEALTH.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GARFIELD BEACH CVS LLC
Legal Status:	Private
Date Became Current:	20060602
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GARFIELD BEACH CVS, L.L.C.
Legal Status:	Private
Date Became Current:	20060602
Date Ended Current:	Not reported
Owner/Operator Address:	1 CVS DRIVE
Owner/Operator City,State,Zip:	WOONSOCKET, RI 02895
Owner/Operator Telephone:	401-765-1500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PIONEER ARTESIA CENTER
Legal Status:	Private
Date Became Current:	19981201
Date Ended Current:	Not reported
Owner/Operator Address:	16400 PACIFIC COAST HWY, STE 207
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92649
Owner/Operator Telephone:	562-592-6005
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	NICOLE.WILKINSON@CVSHEALTH.COM

Historic Generators:

Receive Date:	20140301
Handler Name: CVS PHARMACY #9488	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

CVS PHARMACY NO 9488 (Continued) **1016139995**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160829
Handler Name: CVS PHARMACY #9488	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180301
Handler Name: CVS PHARMACY # 9488	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200217
Handler Name: CVS PHARMACY # 9488	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20130103
Handler Name: CVS PHARMACY NO 9488	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

CVS PHARMACY NO 9488 (Continued) **1016139995**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055438218

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016139995
Registry ID: 110055438218
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055438218
Name: CVS PHARMACY NO 9488
Address: 11851 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701

P115 **CVS PHARMACY # 9488** **CERS HAZ WASTE** **S113142374**
ESE **11851 ARTESIA BLVD** **HAZNET** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **HWTS**
0.182 mi.
961 ft. **Site 9 of 9 in cluster P**

Relative: CERS HAZ WASTE:
Lower
Name: CVS PHARMACY #9488
Actual: Address: 11851 ARTESIA BLVD
61 ft. City,State,Zip: ARTESIA, CA 90701
Site ID: 390966
CERS ID: 10290706
CERS Description: Hazardous Waste Generator

CVS PHARMACY # 9488 (Continued) **S113142374**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Jaime De la Torre, Store Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Dustin Perez
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Dustin Perez
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Tony Davis, Store Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Coordinates:

Site ID:	390966
Facility Name:	CVS PHARMACY #9488
Env Int Type Code:	HWG
Program ID:	10290706
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.873150
Longitude:	-118.080750

CVS PHARMACY # 9488 (Continued) **S113142374**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Legal Owner
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	1 CVS Drive
Affiliation City:	Woonsocket
Affiliation State:	RI
Affiliation Country:	United States
Affiliation Zip:	02895
Affiliation Phone:	(401) 765-1500

Affiliation Type Desc:	Operator
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(401) 765-1500

Affiliation Type Desc:	Parent Corporation
Entity Name:	CVS Health
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Charles Savage, Agent for GARFIELD BEACH CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	CVS Health, Attn: Dianne E. Durand, Licensing, One CVS Drive G MC1160
Affiliation City:	Woonsocket
Affiliation State:	RI

CVS PHARMACY # 9488 (Continued) **S113142374**

Affiliation Country: Not reported
Affiliation Zip: 02895
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Charles Savage, Agent for GARFIELD BEACH CVS, L.L.C.
Entity Title: Regulatory Compliance Specialist, Verisk 3E
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Verisk 3E, Regulatory Services/CVS
Entity Title: Not reported
Affiliation Address: 3207 Grey Hawk Ct., Suite 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Pioneer Artesia Center
Entity Title: Not reported
Affiliation Address: 16400 Pacific Coast Hwy, Ste. 207
Affiliation City: Huntington Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92649
Affiliation Phone: (562) 592-6005

Name: CVS PHARMACY #9488
Address: 11851 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 390966
CERS ID: 10290706
CERS Description: RCRA LQ HW Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Jaime De la Torre, Store Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by Eric Poomiwatracanont Consent given by Dustin Perez
Eval Division: Los Angeles County Fire Department

CVS PHARMACY # 9488 (Continued) **S113142374**

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by Eric Poomiwatracanont Consent given by Dustin Perez
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Tony Davis, Store Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Coordinates:

Site ID:	390966
Facility Name:	CVS PHARMACY #9488
Env Int Type Code:	HWG
Program ID:	10290706
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.873150
Longitude:	-118.080750

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Legal Owner
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	1 CVS Drive
Affiliation City:	Woonsocket

CVS PHARMACY # 9488 (Continued) **S113142374**

Affiliation State:	RI
Affiliation Country:	United States
Affiliation Zip:	02895
Affiliation Phone:	(401) 765-1500
Affiliation Type Desc:	Operator
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(401) 765-1500
Affiliation Type Desc:	Parent Corporation
Entity Name:	CVS Health
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Charles Savage, Agent for GARFIELD BEACH CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	CVS Health, Attn: Dianne E. Durand, Licensing, One CVS Drive G MC1160
Affiliation City:	Woonsocket
Affiliation State:	RI
Affiliation Country:	Not reported
Affiliation Zip:	02895
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Charles Savage, Agent for GARFIELD BEACH CVS, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Services/CVS

CVS PHARMACY # 9488 (Continued) **S113142374**

Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Ct., Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Pioneer Artesia Center
Entity Title:	Not reported
Affiliation Address:	16400 Pacific Coast Hwy, Ste. 207
Affiliation City:	Huntington Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92649
Affiliation Phone:	(562) 592-6005

HAZNET:

Name:	CVS PHARMACY # 9488
Address:	11851 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
Contact:	Wendy Brant
Telephone:	4017651500
Mailing Name:	Not reported
Mailing Address:	1 CVS DR
Year:	2013
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.027
Year:	2013
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0035
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	214 - Unspecified solvent mixture

CVS PHARMACY # 9488 (Continued) **S113142374**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1715
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	CAD008364432
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0445
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	CAD008364432
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.064
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	-
Disposal Method:	-
Tons:	0.0355
Year:	2012
Gepaid:	CAL000306548
TSD EPA ID:	INR000110197
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2011
Gepaid:	CAL000306548
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04

Click this hyperlink while viewing on your computer to access
18 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2010

CVS PHARMACY # 9488 (Continued) **S113142374**

Gen EPA ID:	CAL000306548
Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:38
Receipt Date:	20101029
Manifest ID:	005755771JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:38
Receipt Date:	20101029
Manifest ID:	005755771JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101019
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005755771JJK
Trans EPA ID:	MNS000110924

CVS PHARMACY # 9488 (Continued) **S113142374**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:38
Receipt Date:	20101029
Manifest ID:	005755771JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101019
Creation Date:	3/30/2011 18:30:38
Receipt Date:	20101029
Manifest ID:	005755771JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

CVS PHARMACY # 9488 (Continued) **S113142374**

Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100127
Creation Date:	4/12/2010 18:30:39
Receipt Date:	20100129
Manifest ID:	000010352MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000306548
Shipment Date:	20130318
Creation Date:	8/16/2013 22:15:27
Receipt Date:	20130402
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P188
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001

CVS PHARMACY # 9488 (Continued) **S113142374**

Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	P081
Additional Code 2:	P075
Additional Code 3:	P001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130318
Creation Date:	8/16/2013 22:15:27
Receipt Date:	20130402
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130318
Creation Date:	8/16/2013 22:15:27
Receipt Date:	20130402
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0235
Waste Quantity:	47
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

Shipment Date:	20130318
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0395
Waste Quantity:	79
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130318
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130318
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197

CVS PHARMACY # 9488 (Continued) **S113142374**

Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130318
Creation Date:	8/16/2013 22:15:27
Receipt Date:	20130402
Manifest ID:	005827402FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000306548

Shipment Date:	20121222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005804997FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.062
Waste Quantity:	124
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005804997FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0635
Waste Quantity:	127
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121222
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130108
Manifest ID:	005804997FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121222
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130108
Manifest ID:	005804997FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121222
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130108
Manifest ID:	005804997FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P188
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	P081
Additional Code 2:	P075
Additional Code 3:	P001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121222
Creation Date:	5/3/2013 22:15:23
Receipt Date:	20130108
Manifest ID:	005804997FLE

CVS PHARMACY # 9488 (Continued) **S113142374**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005804997FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0535
Waste Quantity:	107
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121025
Creation Date:	12/24/2012 22:15:22
Receipt Date:	20121101
Manifest ID:	000396319PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121025
Creation Date:	12/24/2012 22:15:22
Receipt Date:	20121101
Manifest ID:	000396319PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121025
Creation Date:	12/24/2012 22:15:22
Receipt Date:	20121101
Manifest ID:	000396319PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0445
Waste Quantity:	89
Quantity Unit:	P

CVS PHARMACY # 9488 (Continued) **S113142374**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000306548
Shipment Date:	20071112
Creation Date:	2/29/2008 18:30:58
Receipt Date:	20071113
Manifest ID:	002923326JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071008
Creation Date:	1/9/2008 18:30:34
Receipt Date:	20071009
Manifest ID:	002973969JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070815
Creation Date:	1/8/2008 18:30:29
Receipt Date:	20070816
Manifest ID:	003016414JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070718
Creation Date:	12/28/2007 18:31:14
Receipt Date:	20070719
Manifest ID:	002972837JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070613
Creation Date:	10/18/2007 18:30:31
Receipt Date:	20070614
Manifest ID:	003017555JJK

CVS PHARMACY # 9488 (Continued) **S113142374**

Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070420
Creation Date:	10/24/2007 18:30:22
Receipt Date:	20070420
Manifest ID:	000511800JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070126
Creation Date:	8/9/2007 18:30:19
Receipt Date:	20070126
Manifest ID:	000509294JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070102
Creation Date:	4/19/2007 18:31:46
Receipt Date:	20070103
Manifest ID:	000505916JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000306548
Shipment Date:	20061009
Creation Date:	4/19/2007 18:30:35
Receipt Date:	20061011
Manifest ID:	000458983JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

CVS PHARMACY # 9488 (Continued) **S113142374**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060720
Creation Date:	9/17/2006 18:31:02
Receipt Date:	20060721
Manifest ID:	24960698
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000306548
Shipment Date:	20111020
Creation Date:	3/27/2012 20:30:14
Receipt Date:	20111101
Manifest ID:	005012418FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0205
Waste Quantity:	41
Quantity Unit:	P
Additional Code 1:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020
Creation Date:	3/27/2012 20:30:14
Receipt Date:	20111101
Manifest ID:	005012418FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111020
Creation Date:	3/27/2012 20:30:14
Receipt Date:	20111101
Manifest ID:	005012418FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D009
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20110722
Creation Date:	1/12/2012 18:30:25

CVS PHARMACY # 9488 (Continued) **S113142374**

Receipt Date:	20110809
Manifest ID:	005013911FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110722
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005013910FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D009
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported

Shipment Date:	20110722
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005013910FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC

CVS PHARMACY # 9488 (Continued) **S113142374**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110722
Creation Date:	11/19/2012 22:15:08
Receipt Date:	20110815
Manifest ID:	005013910FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110722
Creation Date:	11/19/2012 22:15:08
Receipt Date:	20110815
Manifest ID:	005013910FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0015

CVS PHARMACY # 9488 (Continued) **S113142374**

Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110722
Creation Date:	11/19/2012 22:15:08
Receipt Date:	20110815
Manifest ID:	005013910FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110722
Creation Date:	11/19/2012 22:15:08
Receipt Date:	20110815
Manifest ID:	005013910FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	OHD083377010
Trans Name:	ENVIRONMENTAL ENTERPRISES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.0535
Waste Quantity:	107
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CVS PHARMACY # 9488 (Continued) **S113142374**

HWTS:

Name:	CVS PHARMACY # 9488
Address:	11851 ARTESIA BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000306548
Inactive Date:	03/04/2013
Create Date:	05/10/2006
Last Act Date:	07/08/2014
Mailing Name:	Not reported
Mailing Address:	1 CVS DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	WOONSOCKET, RI 02895
Owner Name:	LONGS DRUG STORES CALIFORNIA LLC
Owner Address:	1 CVS DR
Owner Address 2:	Not reported
Owner City,State,Zip:	WOONSOCKET, RI 02895
Contact Name:	WENDY BRANT
Contact Address:	1 CVS DRIVE - 02362A
Contact Address 2:	Not reported
City,State,Zip:	WOONSOCKET, RI 028956146

NAICS:

EPA ID:	CAL000306548
Create Date:	2006-05-10 15:11:43.613
NAICS Code:	44611
NAICS Description:	Pharmacies and Drug Stores
Issued EPA ID Date:	2006-05-10 15:11:43.61300
Inactive Date:	2013-03-04 00:00:00
Facility Name:	CVS PHARMACY # 9488
Facility Address:	11851 ARTESIA BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

116
SE
1/8-1/4
0.182 mi.
962 ft.

ANNA BELLE A CUYONG DMD
17510 PIONEER BLVD STE 201
ARTESIA, CA 90701

RCRA NonGen / NLR **1024796966**
CAL000181159

Relative:
Lower

Actual:
58 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	19980804
Handler Name:	ANNA BELLE A CUYONG DMD
Handler Address:	17510 PIONEER BLVD STE 201
Handler City,State,Zip:	ARTESIA, CA 90701-0000
EPA ID:	CAL000181159
Contact Name:	DR CUYONG
Contact Address:	17510 PIONEER BLVD STE 201
Contact City,State,Zip:	ARTESIA, CA 90701
Contact Telephone:	562-402-4952
Contact Fax:	562-402-8195
Contact Email:	ACC2TH@AOL.COM
Contact Title:	Not reported
EPA Region:	09

ANNA BELLE A CUYONG DMD (Continued) **1024796966**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17510 PIONEER BLVD STE 201
Mailing City,State,Zip:	ARTESIA, CA 90701-0000
Owner Name:	DR ANNA BELLE A CUYONG
Owner Type:	Other
Operator Name:	DR CUYONG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

ANNA BELLE A CUYONG DMD (Continued) **1024796966**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DR CUYONG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17510 PIONEER BLVD STE 201
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-402-4952
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DR ANNA BELLE A CUYONG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17510 PIONEER BLVD STE 201
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-0000
Owner/Operator Telephone:	562-402-4952
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19980804
Handler Name:	ANNA BELLE A CUYONG DMD
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

ANNA BELLE A CUYONG DMD (Continued) **1024796966**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

R117 **ALBERTSONS #0651** **CERS HAZ WASTE** **S104535859**
East **11815 ARTESIA BLVD** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **CERS**
0.192 mi.
1012 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
63 ft.

CERS HAZ WASTE:
Name: STATER BROS. MARKETS 161
Address: 11815 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 71279
CERS ID: 10295125
CERS Description: Hazardous Waste Generator

LOS ANGELES CO. HMS:
Name: ALBERTSONS #0651
Address: 11815 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907014002
Region: LA
Permit Category: I
Facility Id: 000951-I00998
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000009342
Permit Status: Closed

Name: ALBERTSONS #0651
Address: 11815 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 907014002
Region: LA
Permit Category: I
Facility Id: 000951-I00998
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000C12801
Permit Status: Closed

CERS:
Name: STATER BROS. MARKETS 161
Address: 11815 ARTESIA BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 71279
CERS ID: 10295125
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 71279

ALBERTSONS #0651 (Continued) **S104535859**

Site Name:	Stater Bros. Markets 161
Violation Date:	11-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/08/2017. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Observed 1,336 cubic feet (552 lbs.) of R-404A refrigerant not included in the CERS inventory. The "max daily amount" reported for R-407C in CERS is incorrect. Observed 3,876 cubic feet of R-407C (325 lbs., 650 lbs., 625 lbs.). CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-21-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Dave Lafarga, Store Manager No significant violations observed at the time of inspection.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Dave Lafarga, Store Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Jesse Gonzalez, Asst. Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP

ALBERTSONS #0651 (Continued) **S104535859**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Jesse Gonzalez, Asst. Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-09-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 71279
Facility Name: Stater Bros. Markets 161
Env Int Type Code: HWG
Program ID: 10295125
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.874230
Longitude: -118.080760

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Chris Ramirez
Entity Title: Not reported
Affiliation Address: P.O. Box 150
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92402
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Chris Ramirez
Entity Title: Supervisor of Support Services
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

ALBERTSONS #0651 (Continued) **S104535859**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Chris Ramirez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	STATER BROS MARKETS
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 150
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92402
Affiliation Phone:	(909) 783-5000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Stater Bros. Markets
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11815 Artesia Blvd
Affiliation City:	Artesia
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Stater Bros. Markets 161
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 924-9429
Affiliation Type Desc:	Property Owner
Entity Name:	Stater Bros. Markets
Entity Title:	Not reported

ALBERTSONS #0651 (Continued) **S104535859**

Affiliation Address:	P.O. Box 150
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92402
Affiliation Phone:	(909) 733-5000
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

R118 **STATER BROS MARKETS #161 ARTESIA** **RCRA NonGen / NLR** **1024822373**
East **11815 ARTESIA BLVD** **CAL000340344**
1/8-1/4 **ARTESIA, CA 90701**
0.192 mi.
1012 ft. **Site 2 of 2 in cluster R**

Relative: **Lower**

Actual: **63 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20090203
Handler Name:	STATER BROS MARKETS #161 ARTESIA
Handler Address:	11815 ARTESIA BLVD
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAL000340344
Contact Name:	CHERYL SKALICKY
Contact Address:	301 S. TIPPECANOE AVE.
Contact City,State,Zip:	SAN BERNARDINO, CA 92408
Contact Telephone:	909-733-5288
Contact Fax:	909-733-4288
Contact Email:	CHERYL.SKALICKY@STATERBROS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 150
Mailing City,State,Zip:	SAN BERNARDINO, CA 92402-0000
Owner Name:	STATER BROS MARKETS
Owner Type:	Other
Operator Name:	CHERYL SKALICKY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

STATER BROS MARKETS #161 ARTESIA (Continued) **1024822373**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STATER BROS MARKETS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

STATER BROS MARKETS #161 ARTESIA (Continued) **1024822373**

Owner/Operator Address:	301 S TIPPECANOE AVE
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92408-0121
Owner/Operator Telephone:	909-733-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHERYL SKALICKY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	301 S. TIPPECANOE AVE.
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92408
Owner/Operator Telephone:	909-733-5288
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20090203
Handler Name:	STATER BROS MARKETS #161 ARTESIA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	45291
NAICS Description:	WAREHOUSE CLUBS AND SUPERCENTERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

S119 **TALLY HO APARTMENTS** **RCRA NonGen / NLR** **1026040832**
SSE **17701 PIONEER BLVD** **CAC003046940**
1/8-1/4 **ARTESIA, CA 90701**
0.199 mi.
1052 ft. **Site 1 of 3 in cluster S**

Relative: **Lower**
Actual: **56 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20191212
Handler Name:	TALLY HO APARTMENTS	
Handler Address:		17701 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90701-4010
EPA ID:		CAC003046940

TALLY HO APARTMENTS (Continued) **1026040832**

Contact Name:	TALLY HO APARTMENTS
Contact Address:	17701 PIONEER BLVD
Contact City,State,Zip:	ARTESIA, CA 90701-4010
Contact Telephone:	562-920-1762
Contact Fax:	Not reported
Contact Email:	GABRIELLE@PGJENVIRONMENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17701 PIONEER BLVD
Mailing City,State,Zip:	ARTESIA, CA 90701-4010
Owner Name:	TALLY HO APARTMENTS
Owner Type:	Other
Operator Name:	TALLY HO APARTMENTS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

TALLY HO APARTMENTS (Continued) **1026040832**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TALLY HO APARTMENTS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17701 PIONEER BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-4010
Owner/Operator Telephone:	562-920-1762
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TALLY HO APARTMENTS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17701 PIONEER BLVD
Owner/Operator City,State,Zip:	ARTESIA, CA 90701-4010
Owner/Operator Telephone:	562-920-1762
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191212
Handler Name: TALLY HO APARTMENTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

TALLY HO APARTMENTS (Continued) **1026040832**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

T120 **ARTESIA ICE SERVICE** **HIST UST** **1000222067**
ENE **17119 CLARKDALE AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.201 mi.
1059 ft. **Site 1 of 4 in cluster T**

Relative:
Lower

Actual:
63 ft.

HIST UST:
Name: ARTESIA ICE SERVICE
Address: 17119 CLARKDALE AVE
City,State,Zip: ARTESIA, CA 90701
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000041411
Facility Type: Other
Other Type: PRIVATE USE
Contact Name: BILL FRAMPTON
Telephone: 2138601391
Owner Name: HARVEY FRAMPTON, INC.
Owner Address: 17119 S. CLARKDALE
Owner City,St,Zip: ARTESIA, CA 90701
Total Tanks: 0003

Tank Num: 001
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

ARTESIA ICE SERVICE (Continued) **1000222067**

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

LOS ANGELES CO. HMS:
Name: ARTESIA ICE-SEE 018725-026759
Address: 11846 FRAMPTON CT
City,State,Zip: ARTESIA, CA 907012711
Region: LA
Permit Category: T
Facility Id: 005549-005751
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 000132497
Permit Status: Removed

Name: ARTESIA ICE HOUSE
Address: 11846 FRAMPTON CT
City,State,Zip: ARTESIA, CA 907012711
Region: LA
Permit Category: I
Facility Id: 005549-023011
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000014958
Permit Status: Closed

T121 **ARTESIA ICE** **RCRA NonGen / NLR** **1025879311**
ENE **11846 FRAMPTON CT** **CAP00007991**
1/8-1/4 **ARTESIA, CA 90701**
0.201 mi.
1059 ft. **Site 2 of 4 in cluster T**

Relative: **Lower**
Actual: **63 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20080321
Handler Name: ARTESIA ICE
Handler Address: 11846 FRAMPTON CT
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAP00007991
Contact Name: DALE STRIETER
Contact Address: 427 S CLAUDINA ST
Contact City,State,Zip: ANAHEIM, CA 92805
Contact Telephone: 562-436-2614
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

ARTESIA ICE (Continued) **1025879311**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	427 S CLAUDINA ST
Mailing City,State,Zip:	ANAHEIM, CA 92805
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

ARTESIA ICE (Continued) **1025879311**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20080321
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20071220
Handler Name: ARTESIA ICE	
Federal Waste Generator Description:	Not reported
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080321
Handler Name: ARTESIA ICE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

T122 **ARTESIA ICE SERVICE** **UST** **U003776106**
ENE **11846 FRAMPTON CT** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.201 mi.
1059 ft. **Site 3 of 4 in cluster T**

Relative:
Lower

Actual:
63 ft.

UST:
Name: ARTESIA ICE SERVICE
Address: 11846 FRAMPTON CT
City,State,Zip: ARTESIA, CA 90701
Facility ID: 26759
Permitting Agency: LOS ANGELES COUNTY
CERSID: Not reported
Latitude: 33.8765049
Longitude: -118.079266

LOS ANGELES CO. HMS:
Name: ARTESIA ICE-SEE 005549-023011
Address: 11846 FRAMPTON CT
City,State,Zip: ARTESIA, CA 907012711
Region: LA
Permit Category: Not reported
Facility Id: 018725-032101
Facility Type: Not reported
Facility Status: OPEN
Area: 1D
Permit Number: Not reported
Permit Status: Not reported

S123 **99 RANCH MARKET #17** **CERS HAZ WASTE** **S105696613**
SSE **17713 PIONEER BLVD** **HAZNET** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.201 mi. **CERS**
1059 ft. **Site 2 of 3 in cluster S** **HWTS**

Relative:
Lower

Actual:
56 ft.

CERS HAZ WASTE:
Name: 99 RANCH MARKET #17
Address: 17713 PIONEER BLVD.
City,State,Zip: ARTESIA, CA 90701
Site ID: 1868
CERS ID: 10514089
CERS Description: Hazardous Waste Generator

HAZNET:
Name: 99 RANCH MARKET #17
Address: 17713 PIONEER BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
Contact: ISAAC CHU
Telephone: 7148899763
Mailing Name: Not reported
Mailing Address: 6281 REGIO AVE

Year: 2017
Gepaid: CAL000394792
TSD EPA ID: CAD008364432
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

99 RANCH MARKET #17 (Continued) **S105696613**

Tons: 0.0785

Additional Info:
Year: 2017
Gen EPA ID: CAL000394792

Shipment Date: 20170429
Creation Date: 5/9/2018 18:31:26
Receipt Date: 20170508
Manifest ID: 010203482FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0785
Waste Quantity: 157
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES CO. HMS:
Name: TAWA SUPERMARKET DBA 99 RANCH
Address: 17713 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907014010
Region: LA
Permit Category: I
Facility Id: 027038-037951
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000375277
Permit Status: Permit

Name: TAWA SUPERMARKET DBA 99 RANCH
Address: 17713 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907014010
Region: LA
Permit Category: I
Facility Id: 027038-037951
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000949777
Permit Status: Permit

99 RANCH MARKET #17 (Continued) **S105696613**

CERS:
Name: 99 RANCH MARKET #17
Address: 17713 PIONEER BLVD.
City,State,Zip: ARTESIA, CA 90701
Site ID: 1868
CERS ID: 10514089
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 1868
Site Name: 99 Ranch Market #17
Violation Date: 11-20-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 12/08/2015. OBSERVATION: The amount of propane (liquefied petroleum gas) reported is incorrect. Amount reported in CERS is 38.8 cubic feet. Observed 4 cylinders of propane with a total of 32 gallons of propane. Please report propane in gallon. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 1868
Site Name: 99 Ranch Market #17
Violation Date: 11-20-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 12/08/2015. OBSERVATION: The annotated site map submitted to the CUPA does not include locations of evacuation staging areas. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 1868
Site Name: 99 Ranch Market #17
Violation Date: 04-01-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/16/2019. OBSERVATION: A 20 gallon plastic bin used to store Toxics located in the HazWaste area was observed

99 RANCH MARKET #17 (Continued) **S105696613**

without the accumulation start date. A damaged container of liquid soap was inside the container at the time of walk-through. CORRECTIVE ACTION: Submit statement of compliance and/or a photo of the waste labeled properly by 5/1/2019

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 1868
Site Name: 99 Ranch Market #17
Violation Date: 04-01-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 04/16/2019. OBSERVATION: At the time of inspection, observed a 55 gallon empty drum inside the rear storage room. CORRECTIVE ACTION: A container larger than 5 gallons in capacity which previously held hazardous materials shall be marked empty and the date it has been emptied. Empty container shall be managed within one year of being emptied CCR 66261.7 Affix the labels to the empty containers and submit statement of compliance and/or a photo by 5/1/2019.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 1868
Site Name: 99 Ranch Market #17
Violation Date: 04-01-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 04/16/2019. OBSERVATION: Uniform Hazardous Waste Manifests for Toxics & State Regulated Wastes, Aerosols, Flammables & Combustibles, Corrosive Bases, Oxidizers, Corrosive Acidic were not available at the time of inspection. CORRECTIVE

99 RANCH MARKET #17 (Continued) **S105696613**

ACTION: Locate a copy of all manifests for Toxics & State Regulated Wastes, Aerosols, Flammables & Combustibles, Corrosive Bases, Oxidizers, Corrosive Acidic and submit statement of compliance and/or a photo to the CUPA by 5/1/2019.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 1868
Site Name: 99 Ranch Market #17
Violation Date: 04-01-2019
Citation: 49 CFR 1 172 - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172
Violation Description: Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility. Failure to package, label, mark and placard shipments and prepare shipping papers for any universal waste that meets the hazardous materials definition in accordance with DOT 49 CFR parts 171-180.
Violation Notes: Returned to compliance on 04/16/2019. OBSERVATION: Universal Waste Handler (UWH) failed to properly package, label, mark, placard, or prepare and retain shipping papers for all universal waste being shipped to another universal waste handler, destination facility, or foreign facility. At the time of field visit, operator unable to show proof of proper disposal of the used fluorescent light bulbs. CORRECTIVE ACTION: Submit statement of compliance and/or a photo of the waste labeled properly to CUPA demonstrating that all universal waste noted above have been properly packaged, labeled, marked, placarded, or prepared and retain shipping papers.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: David Wang, Store Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: David Wang, Store Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review and acceptance
Eval Division: Los Angeles County Fire Department

99 RANCH MARKET #17 (Continued) **S105696613**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: MING WEI TAN RECEIVER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: MING WEI TAN RECEIVER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Isaac Chu
Entity Title: Not reported
Affiliation Address: 6281 Regio Ave
Affiliation City: Buena Park
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90620
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 6281 Regio Ave
Affiliation City: Buena Park
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90620
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Isaac Chu
Entity Title: Compliance Auditing & Safety
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Tawa Supermarket, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

99 RANCH MARKET #17 (Continued) **S105696613**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 521-8899

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Isaac Chu
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Tawa Supermarket, Inc.
Entity Title: Not reported
Affiliation Address: 6281 Regio Ave
Affiliation City: Buena Park
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90620
Affiliation Phone: (714) 521-8899

Affiliation Type Desc: Parent Corporation
Entity Name: Tawa Supermarket, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: 99 RANCH MARKET #17
Address: 17713 PIONEER BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
EPA ID: CAL000394792
Inactive Date: Not reported
Create Date: 03/07/2014
Last Act Date: 09/14/2020
Mailing Name: Not reported
Mailing Address: 6338 REGIO AVE

99 RANCH MARKET #17 (Continued) **S105696613**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	BUENA PARK, CA 906201023
Owner Name:	TAWA SUPERMARKET INC
Owner Address:	6338 REGIO AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BUENA PARK, CA 906201023
Contact Name:	ISAAC CHU
Contact Address:	6338 REGIO AVE
Contact Address 2:	Not reported
City,State,Zip:	BUENA PARK, CA 90620

NAICS:

EPA ID:	CAL000394792
Create Date:	2014-03-07 14:32:32.107
NAICS Code:	45291
NAICS Description:	Warehouse Clubs and Superstores
Issued EPA ID Date:	2014-03-07 14:32:32.10000
Inactive Date:	Not reported
Facility Name:	99 RANCH MARKET #17
Facility Address:	17713 PIONEER BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

S124 **99 RANCH MARKET #17** **RCRA NonGen / NLR** **1024843420**
SSE **17713 PIONEER BLVD** **CAL000394792**
1/8-1/4 **ARTESIA, CA 90701**
0.201 mi.
1059 ft. **Site 3 of 3 in cluster S**

Relative:
Lower

Actual:
56 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20140307
Handler Name:	99 RANCH MARKET #17	
Handler Address:		17713 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000394792
Contact Name:		ISAAC CHU
Contact Address:		6281 REGIO AVE
Contact City,State,Zip:		BUENA PARK, CA 90620
Contact Telephone:		714-889-9763
Contact Fax:		Not reported
Contact Email:		ISAACC@TAWA.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		6281 REGIO AVE
Mailing City,State,Zip:		BUENA PARK, CA 90620-1023
Owner Name:		TAWA SUPERMARKET INC

99 RANCH MARKET #17 (Continued) **1024843420**

Owner Type:	Other
Operator Name:	ISAAC CHU
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

99 RANCH MARKET #17 (Continued) **1024843420**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TAWA SUPERMARKET INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6281 REGIO AVE
Owner/Operator City,State,Zip:	BUENA PARK, CA 90620-1023
Owner/Operator Telephone:	714-521-8899
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ISAAC CHU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6281 REGIO AVE
Owner/Operator City,State,Zip:	BUENA PARK, CA 90620
Owner/Operator Telephone:	714-889-9763
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140307
Handler Name: 99 RANCH MARKET #17	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	45291
NAICS Description:	WAREHOUSE CLUBS AND SUPERCENTERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

125
ESE
1/8-1/4
0.204 mi.
1075 ft.

BOER BACKHOE INC
11836 ARTESIA BLVD
ARTESIA, CA 90701

RCRA NonGen / NLR **1024832902**
CAL000371420

Relative:
Lower

Actual:
59 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20120202
Handler Name:	BOER BACKHOE INC	
Handler Address:		11836 ARTESIA BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAL000371420
Contact Name:		MICHAEL BOER
Contact Address:		7128 E PARKCREST ST
Contact City,State,Zip:		LONG BEACH, CA 90808
Contact Telephone:		562-420-9844
Contact Fax:		562-425-6221
Contact Email:		MIKE@BOERBACKHOE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		7128 E PARKCREST ST
Mailing City,State,Zip:		LONG BEACH, CA 90808-2340
Owner Name:		BOER BACKHOE INC
Owner Type:		Other
Operator Name:		MICHAEL BOER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BOER BACKHOE INC (Continued) **1024832902**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BOER BACKHOE INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7128 E PARKCREST ST
Owner/Operator City,State,Zip:	LONG BEACH, CA 90808-2340
Owner/Operator Telephone:	562-420-9844
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHAEL BOER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7128 E PARKCREST ST
Owner/Operator City,State,Zip:	LONG BEACH, CA 90808
Owner/Operator Telephone:	562-420-9844
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BOER BACKHOE INC (Continued) **1024832902**

Historic Generators:
Receive Date: 20120202
Handler Name: BOER BACKHOE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 532412
NAICS Description: CONSTRUCTION, MINING, AND FORESTRY MACHINERY AND EQUIPMENT RENTAL AND LEASING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

U126 **CHIP LAO** **RCRA NonGen / NLR** **1025827962**
West **17213 GARD AVENUE** **CAC003007515**
1/8-1/4 **ARTESIA, CA 90701**
0.205 mi.
1084 ft. **Site 1 of 2 in cluster U**

Relative: **Higher**
Actual: **65 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20190327
Handler Name: CHIP LAO
Handler Address: 17213 GARD AVENUE
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAC003007515
Contact Name: CHIP LAO
Contact Address: 17213 GARD AVENUE
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-746-2593
Contact Fax: Not reported
Contact Email: DONNAC@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 17213 GARD AVENUE
Mailing City,State,Zip: ARTESIA, CA 90701

CHIP LAO (Continued) **1025827962**

Owner Name:	CHIP LAO
Owner Type:	Other
Operator Name:	CHIP LAO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190626
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

CHIP LAO (Continued) **1025827962**

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CHIP LAO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 17213 GARD AVENUE
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-746-2593
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CHIP LAO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 17213 GARD AVENUE
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-746-2593
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190327
Handler Name: CHIP LAO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

U127 **CHIP LAO** **RCRA NonGen / NLR** **1025829765**
West **17213 GARD AVENUE** **CAC003009319**
1/8-1/4 **ARTESIA, CA 90701**
0.205 mi.
1084 ft. **Site 2 of 2 in cluster U**

Relative: **Higher**
Actual: **65 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20190409
Handler Name:	CHIP LAO	
Handler Address:		17213 GARD AVENUE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAC003009319
Contact Name:		CHIP LAO
Contact Address:		17213 GARD AVENUE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-746-2593
Contact Fax:		Not reported
Contact Email:		CRISTAL.TEECOR@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17213 GARD AVENUE
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		CHIP LAO
Owner Type:		Other
Operator Name:		CHIP LAO
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CHIP LAO (Continued) **1025829765**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190626
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHIP LAO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17213 GARD AVENUE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-746-2593
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHIP LAO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17213 GARD AVENUE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-746-2593
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHIP LAO (Continued) **1025829765**

Historic Generators:
Receive Date: 20190409
Handler Name: CHIP LAO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

T128 **LINOTYPE CO** **RCRA NonGen / NLR** **1000343222**
ENE **17100 PIONEER BLVD** **FINDS** **CAD981432800**
1/8-1/4 **ARTESIA, CA 90701** **ECHO**
0.207 mi.
1091 ft. **Site 4 of 4 in cluster T**

Relative: **Lower**
Actual: **62 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 19860821
Handler Name: LINOTYPE CO
Handler Address: 17100 PIONEER BLVD
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAD981432800
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 17100 PIONEER BLVD
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 516-342-2627
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: CA
State District: 4
Mailing Address: 425 OSER AVE
Mailing City,State,Zip: HAUPPAUGE, NY 11788
Owner Name: ALLIED CORPORATION

LINOTYPE CO (Continued) **1000343222**

Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

LINOTYPE CO (Continued) **1000343222**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ALLIED CORPORATION
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860821
Handler Name: LINOTYPE CO
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002703361

LINOTYPE CO (Continued) **1000343222**

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000343222
Registry ID:	110002703361
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002703361
Name:	LINOTYPE CO
Address:	17100 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701

V129 **MARYANNE POPPE** **RCRA NonGen / NLR** **1026716618**
WNW **17117 GARD AVE** **CAC003105108**
1/8-1/4 **ARTESIA, CA 90701**
0.217 mi.
1147 ft. **Site 1 of 3 in cluster V**

Relative: **Lower**

Actual: **62 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20210211
Handler Name:	MARYANNE POPPE	
Handler Address:		17117 GARD AVE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAC003105108
Contact Name:		MARYANNE POPPE
Contact Address:		17117 GARD AVE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-533-2027
Contact Fax:		Not reported
Contact Email:		SCHEDULING@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17117 GARD AVE
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		MARYANNE POPPE
Owner Type:		Other
Operator Name:		MARYANNE POPPE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No

MARYANNE POPPE (Continued) **1026716618**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARYANNE POPPE

MARYANNE POPPE (Continued) **1026716618**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17117 GARD AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-533-2027
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARYANNE POPPE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17117 GARD AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-533-2027
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210211
Handler Name: MARYANNE POPPE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

V130 **MARYANNE POPPE** **RCRA NonGen / NLR** **1026715521**
WNW **17117 GARD AVE** **CAC003103947**
1/8-1/4 **ARTESIA, CA 90701**
0.217 mi.
1147 ft. **Site 2 of 3 in cluster V**

Relative: **Lower**

Actual: **62 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20210203
Handler Name:	MARYANNE POPPE	
Handler Address:		17117 GARD AVE
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAC003103947
Contact Name:		MARYANNE POPPE
Contact Address:		17117 GARD AVE
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		562-533-2027
Contact Fax:		Not reported
Contact Email:		EARTHWISESERVICES@SBCGLOBAL.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		17117 GARD AVE
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		MARYANNE POPPE
Owner Type:		Other
Operator Name:		MARYANNE POPPE
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

MARYANNE POPPE (Continued) **1026715521**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARYANNE POPPE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17117 GARD AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-533-2027
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARYANNE POPPE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17117 GARD AVE
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	562-533-2027
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MARYANNE POPPE (Continued) **1026715521**

Historic Generators:
Receive Date: 20210203
Handler Name: MARYANNE POPPE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W131 **JOHAL OIL CORPORATION** **RCRA NonGen / NLR** **1024867841**
NNE **16809 S PIONEER BLVD** **CAL000436440**
1/8-1/4 **ARTESIA, CA 90701**
0.218 mi.
1150 ft. **Site 1 of 17 in cluster W**

Relative: **Lower**
Actual: **63 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20180522
Handler Name: JOHAL OIL CORPORATION
Handler Address: 16809 S PIONEER BLVD
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAL000436440
Contact Name: PARAMJIT SINGH OWNER
Contact Address: 16809 S PIONEER BLVD
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-547-3379
Contact Fax: Not reported
Contact Email: JATTPJSINGH@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 16809 S PIONEER BLVD
Mailing City,State,Zip: ARTESIA, CA 90701
Owner Name: JOHAL OIL CORP

JOHAL OIL CORPORATION (Continued) **1024867841**

Owner Type:	Other
Operator Name:	PARAMJIT SINGH OWNER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

JOHAL OIL CORPORATION (Continued) **1024867841**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: JOHAL OIL CORP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16809 S PIONEER BLVD
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-547-3779
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PARAMJIT SINGH OWNER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16809 S PIONEER BLVD
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-547-3379
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180522
Handler Name: JOHAL OIL CORPORATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 447190
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W132
NNE
1/8-1/4
0.218 mi.
1150 ft.

Relative:
Lower

Actual:
63 ft.

JOHAL OIL CORPORATION
16809 S PIONEER BLVD
ARTESIA, CA 90701

Site 2 of 17 in cluster W

CERS HAZ WASTE
SWEEPS UST
CERS TANKS
LOS ANGELES CO. HMS
CERS
HWTS

S104537906
N/A

CERS HAZ WASTE:

Name:	JOHAL OIL CORPORATION
Address:	16809 S PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	143900
CERS ID:	10279948
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	EXXON COMPANY USA - SS #73314
Address:	16809 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	2660
Number:	9
Board Of Equalization:	44-000285
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-002660-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	8

Name:	EXXON COMPANY USA - SS #73314
Address:	16809 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	2660
Number:	9
Board Of Equalization:	44-000285
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-002660-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	EXXON COMPANY USA - SS #73314
Address:	16809 S PIONEER BLVD
City:	ARTESIA

JOHAL OIL CORPORATION (Continued) **S104537906**

Status: Active
Comp Number: 2660
Number: 9
Board Of Equalization: 44-000285
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002660-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: EXXON COMPANY USA - SS #73314
Address: 16809 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2660
Number: 9
Board Of Equalization: 44-000285
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002660-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: EXXON COMPANY USA - SS #73314
Address: 16809 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2660
Number: 9
Board Of Equalization: 44-000285
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002660-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

JOHAL OIL CORPORATION (Continued) **S104537906**

Name: EXXON COMPANY USA - SS #73314
Address: 16809 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2660
Number: 9
Board Of Equalization: 44-000285
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002660-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: EXXON COMPANY USA - SS #73314
Address: 16809 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2660
Number: 9
Board Of Equalization: 44-000285
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002660-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: EXXON COMPANY USA - SS #73314
Address: 16809 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2660
Number: 9
Board Of Equalization: 44-000285
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002660-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W

JOHAL OIL CORPORATION (Continued) **S104537906**

Content: Not reported
Number Of Tanks: Not reported

CERS TANKS:
Name: JOHAL OIL CORPORATION
Address: 16809 S PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 143900
CERS ID: 10279948
CERS Description: Underground Storage Tank

LOS ANGELES CO. HMS:
Name: EXXON CO USA
Address: 16809 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011719
Region: LA
Permit Category: I
Facility Id: 002574-I02660
Facility Type: 01
Facility Status: Removed
Area: 1D
Permit Number: 000004240
Permit Status: Removed

Name: YARALIAN SERVICE / EXPRESS GAS
Address: 16809 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011719
Region: LA
Permit Category: T
Facility Id: 002574-002660
Facility Type: 0
Facility Status: Closed
Area: 1D
Permit Number: 00003549T
Permit Status: Closed

Name: PIONEER ARCO INC
Address: 16809 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011719
Region: LA
Permit Category: T
Facility Id: 002574-055759
Facility Type: 0
Facility Status: Closed
Area: 1D
Permit Number: 000683695
Permit Status: Closed

CERS:
Name: JOHAL OIL CORPORATION
Address: 16809 S PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 143900
CERS ID: 10279948
CERS Description: Chemical Storage Facilities

JOHAL OIL CORPORATION (Continued) **S104537906**

Violations:

Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	11-17-2020
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	1)042518 WORK ORDER FOR COLD START MISSING IN BINDER 2)MONTHLY DO'S FROM JAN 2020 - OCT 2020 MISSING 3)OVFL TESTING LATE 4)CERS 1)SUBMIT 2)GAS STATION HAD TEMP CLOSURE PERM,TO START DO'S 11/2020 3)CONDUCT 4)COMPLETE CORRECTIONS IN RED
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-24-2017
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	01-10-2020
Citation:	23 CCR 16 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(4)
Violation Description:	Failure to notify the UPA 48 hours prior to testing.
Violation Notes:	BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division:	Los Angeles County Department of Public Works

JOHAL OIL CORPORATION (Continued) **S104537906**

Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 04-23-2019
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 03-09-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 11/21/2019. CERS:1)TANK FORM(RISER PIPE) 2.MP (COMMENT SECTION,SECONDARY CONTACT 3. FRCT (CFO MECHANISM/DATE MISSING)
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter

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	16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-12-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	01-10-2020
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-12-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records

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	of appropriate follow-up actions
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	03-09-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 11/21/2019. CERS:1)TANK FORM(RISER PIPE) 2.MP (COMMENT SECTION,SECONDARY CONTACT3. FRCT (CFO MECHANISM/DATE MISSING)
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

JOHAL OIL CORPORATION (Continued) **S104537906**

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 03-09-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 11/21/2019. CERS:1)TANK FORM(RISER PIPE) 2.MP (COMMENT SECTION,SECONDARY CONTACT3. FRCT (CFO MECHANISM/DATE MISSING)
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 04-23-2019
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Not reported

JOHAL OIL CORPORATION (Continued) **S104537906**

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-24-2017
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

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Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 01-10-2020
Citation: 23 CCR 16 2641(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(i)
Violation Description: Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes: BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(4)
Violation Description: Failure to notify the CUPA the prescribed number of hours prior to testing.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 04-23-2019
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G

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Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	04-24-2018
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description:	Failure to prepare a Uniform Hazardous Waste Manifest and, if necessary, a Continuation Sheet, before the transport of a hazardous waste off-site for transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 05/14/2018. OBSERVATION: All hazardous wastes must be transported by a licensed hazardous waste hauler. -Did not observe any hazardous waste drums at the facility. The owner stated that he has not generated any hazardous wastes since he took over the business but was planning to take any hazardous wastes at his other location (15604 Pioneer Blvd/FA0020941). Instructed owner that he cannot transport hazardous wastes since he is not a licensed hauler. CORRECTIVE ACTION: Contact a licensed hauler when hazardous wastes have been generated at the business.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-12-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	04-23-2019
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure,

JOHAL OIL CORPORATION (Continued) **S104537906**

	hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	04-23-2019
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-24-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-12-2015
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	04-23-2019
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900

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Site Name:	Johal Oil Corporation
Violation Date:	05-24-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	03-09-2016
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 11/21/2019. CERS:1)TANK FORM(RISER PIPE) 2.MP (COMMENT SECTION,SECONDARY CONTACT3. FRCT (CFO MECHANISM/DATE MISSING)
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-12-2015
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	04-24-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 05/14/2018. OBSERVATION: The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. -The owner has not yet obtained his own EPA ID since he took over the business. The EPA ID number listed in CERS (CAL000123686) belongs to the previous owner. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number by 05/24/18.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW

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Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-24-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 01-10-2020
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes: BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to comply with one or more of the following corrosion protection record retention requirements: Maintain records of cathodic protection systems testing within six months of installation and at least every three years thereafter. Maintain records for the 60 calendar day inspection of the impressed-current system. Maintain

JOHAL OIL CORPORATION (Continued) **S104537906**

	records for sacrificial anodes testing every three years. Have written monitoring and maintenance records on-site or off-site at a readily available location if approved by the UPA.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	01-10-2020
Citation:	HSC 6.7 25298 - California Health and Safety Code, Chapter 6.7, Section(s) 25298
Violation Description:	Failure to comply with temporary closure requirements.
Violation Notes:	BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-12-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-24-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	01-10-2020
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated,

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	operated, and/or maintained properly.
Violation Notes:	BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-24-2017
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	04-23-2019
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	143900
Site Name:	Johal Oil Corporation
Violation Date:	05-23-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

JOHAL OIL CORPORATION (Continued) **S104537906**

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-24-2017
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 01-10-2020
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 04-23-2019
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes: Not reported

JOHAL OIL CORPORATION (Continued) **S104537906**

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-23-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 11-17-2020
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: 1)042518 WORK ORDER FOR COLD START MISSING IN BINDER 2)MONTHLY DO'S FROM JAN 2020 - OCT 2020 MISSING 3)OVFL TESTING LATE 4)CERS 1)SUBMIT 2)GAS STATION HAD TEMP CLOSURE PERM,TO START DO'S 11/2020 3)CONDUCT 4)COMPLETE CORRECTIONS IN RED
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 05-12-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the

JOHAL OIL CORPORATION (Continued) **S104537906**

proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 11-17-2020
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: 1)042518 WORK ORDER FOR COLD START MISSING IN BINDER 2)MONTHLY DO'S FROM JAN 2020 - OCT 2020 MISSING 3)OVFL TESTING LATE 4)CERS 1)SUBMIT 2)GAS STATION HAD TEMP CLOSURE PERM,TO START DO'S 11/2020 3)CONDUCT 4)COMPLETE CORRECTIONS IN RED
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 143900
Site Name: Johal Oil Corporation
Violation Date: 01-10-2020
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description: Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes: BUILD.DEMOLISED MOVED V.R. MONIT.SYSTEM TO TEMPORARY SHED OPERATING WITHOUT CERTIFIED MONITOR. PERMIT OUT OF SERVICE TANKS. PERMIT ADDITION/MODIFICATIONS. CERTIFY MONIT. SYSTEM AT CURRENT TEMP.SHED.COLD START.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Paramjit Singh (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PARAMJIT SINGH OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

JOHAL OIL CORPORATION (Continued) **S104537906**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-29-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	PARAMJIT SINGH OWNER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	1)042518 WORK ORDER FOR COLD START MISSING IN BINDER 2)MONTHLY DO'S FROM JAN 2020 - OCT 2020 MISSING 3)OVFL TESTING LATE 4)CERS
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-23-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	1) 051315 VAPOR BKT TEST INCOMPLETE FOR 87 AUX & 91 2) 042518 COLD START CTLS NOT SUBMITTED 3)CERS TANK PAGE
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-12-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:(1)NO UST TESTS/RECORDS ON SITE;(2)UPLOAD/UPDATE UST INFO ON CERS WEB LINK;(3)87 MLLD, UST VAPOR BKTS(2) FAILED;(4)SITE BOE# REQD
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-23-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:1)CTLS'2017 NOT SUBMITTED;2)UST INFO CORRECTIONS IN CERS REQD; 3)CTLS DATED 5/13/15, 5/26/16 REJECTED;4)SB989 DATED 3/9/16 REJECT'D
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC PAST DUE MONIT.CERT.5/15, 5/16; SB989-3/16,CERS; MANY PROBLEMS WITH V.R.PROGRAMING NOT SHUTTING DOWN TESTED SENSOR/TURB.LISTED
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST

JOHAL OIL CORPORATION (Continued) **S104537906**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-10-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: NOVC FOR OPERATING WITHOUT CERTIFIED V.R.NO POWER. PERMIT OUT OF SER VICE TKS-3. PERMIT ADDIT/MODIFICTIONS TEMP.SHED AND NEW BUILDING.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:CERS INACCURATE 1.TANK (RISER PIPE) 2.MP (COMMENT SECTION,SECON DARY CONTACT 3. FRCT (CFO MECHANISM/DATE MISSING)
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Paramjit Singh (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-14-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Paramjit Singh (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

JOHAL OIL CORPORATION (Continued) **S104537906**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Johal Oil Corporation
Entity Title:	Not reported
Affiliation Address:	16809 S PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 403-8866

Affiliation Type Desc:	Environmental Contact
Entity Name:	Paramjit Singh
Entity Title:	Not reported
Affiliation Address:	16809 S PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Paramjit Singh
Entity Title:	Not reported
Affiliation Address:	16809 S PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 403-8866

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Johal Oil Corporation
Entity Title:	Not reported
Affiliation Address:	16809 S PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 403-8866

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16809 S PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA

JOHAL OIL CORPORATION (Continued) **S104537906**

Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Paramjit Singh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Johal Oil Corp
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Johal Oil Corporation
Entity Title:	Not reported
Affiliation Address:	16809 S PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 403-8866
Affiliation Type Desc:	Document Preparer
Entity Name:	Jaime Quintanilla - JQ Engineering Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Johal Oil Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 403-8866
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Johal Oil Corporation
Entity Title:	Not reported

JOHAL OIL CORPORATION (Continued) **S104537906**

Affiliation Address: 16809 S PIONEER BLVD
Affiliation City: ARTESIA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90701
Affiliation Phone: (562) 403-8866

HWTS:
Name: JOHAL OIL CORPORATION
Address: 16809 S PIONEER BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
EPA ID: CAL000436440
Inactive Date: Not reported
Create Date: 05/22/2018
Last Act Date: 09/15/2020
Mailing Name: Not reported
Mailing Address: 16809 S PIONEER BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: ARTESIA, CA 90701
Owner Name: JOHAL OIL CORP
Owner Address: 16809 S PIONEER BLVD
Owner Address 2: Not reported
Owner City,State,Zip: ARTESIA, CA 90701
Contact Name: PARAMJIT SINGH OWNER
Contact Address: 16809 S PIONEER BLVD
Contact Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701

NAICS:
EPA ID: CAL000436440
Create Date: 2018-05-22 16:25:10.760
NAICS Code: 447190
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2018-05-22 16:25:10.76000
Inactive Date: Not reported
Facility Name: JOHAL OIL CORPORATION
Facility Address: 16809 S PIONEER BLVD
Facility Address 2: Not reported
Facility City: ARTESIA
Facility County: Not reported
Facility State: CA
Facility Zip: 90701

W133 **EXXON #7-3314 (FORMER)** **LUST** **S101307314**
NNE **16809 PIONEER BLVD S** **Cortese** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **CERS**
0.218 mi.
1150 ft. **Site 3 of 17 in cluster W**

Relative:
Lower

Actual:
63 ft.

LUST:
Name: EXXON #7-3314 (FORMER)
Address: 16809 PIONEER BLVD S
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site

EXXON #7-3314 (FORMER) (Continued) **S101307314**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702863
Global Id:	T0603702863
Latitude:	33.8781339
Longitude:	-118.0823872
Status:	Completed - Case Closed
Status Date:	08/03/1998
Case Worker:	NB
RB Case Number:	I-02660
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603702863
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702863
Contact Type:	Regional Board Caseworker
Contact Name:	NHAN BAO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	nbao@waterboards.ca.gov
Phone Number:	2135766703

LUST:

Global Id:	T0603702863
Action Type:	Other
Date:	01/25/1991
Action:	Leak Reported

LUST:

Global Id:	T0603702863
Status:	Open - Case Begin Date
Status Date:	01/25/1991

Global Id:	T0603702863
Status:	Open - Site Assessment
Status Date:	02/07/1992

Global Id:	T0603702863
Status:	Open - Remediation
Status Date:	02/02/1996

Global Id:	T0603702863
Status:	Completed - Case Closed
Status Date:	08/03/1998

EXXON #7-3314 (FORMER) (Continued) **S101307314**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-02660	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		VE
Global ID:	T0603702863	
W Global ID:	Not reported	
Staff:	NB	
Local Agency:	19000	
Cross Street:	168TH ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/25/1991
Date Leak Record Entered:	4/15/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/3/1998
Date the Case was Closed:		8/3/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		680.6160583197500050188858308 8
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		2/7/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		2/2/1996
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		30
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	EXXON CO., USA	
RP Address:	PO BOX 4032, CONCORD, CA 94524-4032	
Program:	LUST	
Lat/Long:	33.8781339 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

EXXON #7-3314 (FORMER) (Continued) **S101307314**

Assigned Name: Not reported
Summary: TANKS REMOVED. PLUME DEFINED. 03/20/98 - 1ST QTR 1998 GW MON RPT 06/30/98 - 2ND QTR 1998 GW MON RPT 10/28/98 - LTR RPT FOR THE ABANDONMENT OF SEV

CORTESE:

Name:	EXXON #7-3314 (FORMER)
Address:	16809 PIONEER BLVD S
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603702863
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	EXXON #7-3314 (FORMER)
Address:	16809 PIONEER BLVD S
City,State,Zip:	ARTESIA, CA 90701
Site ID:	223090
CERS ID:	T0603702863
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766703

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA

EXXON #7-3314 (FORMER) (Continued) **S101307314**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

W134 **YARALIANS SERVICES** **EDR Hist Auto** **1008993528**
NNE **16809 PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.218 mi.
1150 ft. **Site 4 of 17 in cluster W**

Relative: EDR Hist Auto
Lower

Actual:
63 ft.

Year:	Name:	Type:
1970	ANDY'S ENCO PRODUCTS	Not reported
1989	OSBORNS EXXON SERVICE	Gasoline Service Stations
1990	OSBORNS EXXON SERVICE	Gasoline Service Stations
1994	YARALIANS TEXACO	Gasoline Service Stations
1995	YARALIANS TEXACO	Gasoline Service Stations
1996	YARALIANS TEXACO	Gasoline Service Stations
1997	YARALIANS TEXACO	Gasoline Service Stations
1998	YARALIAN GEORGE	Gasoline Service Stations
1999	YARALIAN GEORGE	Gasoline Service Stations
2000	YARALIAN GEORGE	Gasoline Service Stations
2001	YARALIAN GEORGE	Gasoline Service Stations
2002	YARALIANS SERVICES	Gasoline Service Stations
2003	YARALIANS SERVICES	Gasoline Service Stations
2004	YARALIANS SERVICES	Gasoline Service Stations
2005	YARALIANS SERVICES	Gasoline Service Stations, NEC
2006	YARALIANS SERVICES	Gasoline Service Stations, NEC
2007	YARALIANS SERVICES	Gasoline Service Stations, NEC
2008	YARALIANS SERVICES	Gasoline Service Stations, NEC
2010	YARALIANS SERVICES	Gasoline Service Stations, NEC
2011	YARALIANS SERVICES	Gasoline Service Stations, NEC
2011	PIONEER ARCO	Gasoline Service Stations
2012	PIONEER ARCO	Gasoline Service Stations
2012	YARALIANS SERVICES	Gasoline Service Stations, NEC
2013	PIONEER ARCO	Gasoline Service Stations
2013	YARALIANS SERVICES	Gasoline Service Stations, NEC
2014	YARALIANS SERVICES	Gasoline Service Stations, NEC
2014	PIONEER ARCO	Gasoline Service Stations

W135 **YARALIAN TEXACO** **LUST** **S100861746**
NNE **16809 PIONEER BLVD** **HIST CORTESE** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.218 mi.
1150 ft. **Site 5 of 17 in cluster W**

Relative: LUST:
Lower

Actual:
63 ft.

Name: YARALIAN TEXACO
Address: 16809 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603713730
Global Id: T0603713730

YARALIAN TEXACO (Continued) **S100861746**

Latitude:	33.877802
Longitude:	-118.082738
Status:	Completed - Case Closed
Status Date:	07/05/2012
Case Worker:	NC
RB Case Number:	I-02660A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603713730
Contact Type:	Local Agency Caseworker
Contact Name:	CARL SJOBERG
Organization Name:	LOS ANGELES COUNTY
Address:	900 SOUTH FREMONT AVENUE
City:	ALHAMBRAD
Email:	Not reported
Phone Number:	6264585100

Global Id:	T0603713730
Contact Type:	Regional Board Caseworker
Contact Name:	NOMAN CHOWDHURY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	noman.chowdhury@waterboards.ca.gov
Phone Number:	2135766704

LUST:

Global Id:	T0603713730
Action Type:	ENFORCEMENT
Date:	07/14/2006
Action:	Site Visit / Inspection / Sampling

Global Id:	T0603713730
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter

Global Id:	T0603713730
Action Type:	Other
Date:	04/08/2002
Action:	Leak Reported

Global Id:	T0603713730
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually

Global Id:	T0603713730
Action Type:	RESPONSE
Date:	10/28/2002
Action:	Other Report / Document

YARALIAN TEXACO (Continued) **S100861746**

Global Id: T0603713730
Action Type: RESPONSE
Date: 07/30/2002
Action: Preliminary Site Assessment Report

Global Id: T0603713730
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 08/29/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603713730
Action Type: RESPONSE
Date: 08/29/2003
Action: Soil and Water Investigation Report

Global Id: T0603713730
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 07/14/2006
Action: Meeting

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 01/10/2012
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603713730
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603713730
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE

YARALIAN TEXACO (Continued) **S100861746**

Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 07/05/2012
Action: Closure/No Further Action Letter

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 07/05/2012
Action: Closure/No Further Action Letter

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 12/30/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603713730
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 04/11/2003
Action: 13267 Requirement

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 07/15/2003
Action: 13267 Requirement

YARALIAN TEXACO (Continued) **S100861746**

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 02/12/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 07/30/2002
Action: * No Action

Global Id: T0603713730
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603713730
Action Type: RESPONSE
Date: 03/26/2004
Action: Soil and Water Investigation Report

Global Id: T0603713730
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 08/29/2002
Action: Staff Letter

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 08/13/2003
Action: Staff Letter

Global Id: T0603713730
Action Type: ENFORCEMENT
Date: 09/17/2002
Action: Meeting

Global Id: T0603713730
Action Type: Other
Date: 02/15/2002
Action: Leak Discovery

Global Id: T0603713730
Action Type: RESPONSE

YARALIAN TEXACO (Continued) **S100861746**

Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603713730
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0603713730
Status: Open - Case Begin Date
Status Date: 02/15/2002

Global Id: T0603713730
Status: Open - Site Assessment
Status Date: 08/21/2002

Global Id: T0603713730
Status: Open - Site Assessment
Status Date: 03/01/2004

Global Id: T0603713730
Status: Completed - Case Closed
Status Date: 07/05/2012

HIST CORTESE:
edr_fname: EXXON #7-3314 (FORMER)
edr_fadd1: 16809 PIONEER
City,State,Zip: ARTESIA, CA
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-02660

W136 **EXXON SERVICE STATION** **HIST UST** **U001565231**
NNE **16809 PIONEER** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.218 mi.
1150 ft. **Site 6 of 17 in cluster W**

Relative: HIST UST:
Lower Name: EXXON SERVICE STATION
Actual: Address: 16809 PIONEER
63 ft. City,State,Zip: ARTESIA, CA 90701
File Number: 00026576
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026576.pdf
Region: STATE
Facility ID: 00000029132
Facility Type: Gas Station
Other Type: Not reported
Contact Name: REX OSBORN

EXXON SERVICE STATION (Continued) **U001565231**

Telephone:	2138657616
Owner Name:	EXXON COMPANY U.S.A.
Owner Address:	16945 NORTHCHASE BLVD.
Owner City,St,Zip:	HOUSTON, TX 77210
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1968
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1968
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1968
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1968
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

W137 **YARALIAN TEXACO** **LUST** **U003775938**
NNE **16809 PIONEER BLVD** **UST** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **Cortese**
0.218 mi.
1150 ft. **Site 7 of 17 in cluster W**

Relative: LUST REG 4:
Lower

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	I-02660A
Status:	Preliminary site assessment workplan submitted
Substance:	Gasoline
Substance Quantity:	Not reported

Actual:
63 ft.

YARALIAN TEXACO (Continued) **U003775938**

Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603713730	
W Global ID:	Not reported	
Staff:	NC	
Local Agency:	19000	
Cross Street:	168TH ST.	
Enforcement Type:	SI	
Date Leak Discovered:	2/15/2002	
Date Leak First Reported:		4/8/2002
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Other Means	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		8/21/2002
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MS. VERA YARALIAN	
RP Address:	22930 CALABASH ST.	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

UST:

Name:	YARALIAN TEXACO
Address:	16809 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	2660

YARALIAN TEXACO (Continued) **U003775938**

Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.87915
Longitude:	-118.081391

CORTESE:

Name:	YARALIAN TEXACO
Address:	16809 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603713730
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

W138 **JOHAL OIL CORPORATION** **UST** **U004265515**
NNE **16809 S PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.218 mi.
1150 ft. **Site 8 of 17 in cluster W**

Relative:
Lower

Actual:
63 ft.

UST:

Name:	JOHAL OIL CORPORATION
Address:	16809 S PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	LACoFA0020941
Permitting Agency:	Los Angeles County Fire Department
CERSID:	10279948
Latitude:	33.8778
Longitude:	-118.08274

W139 **OSBORNS EXXON SERVICE** **RCRA-SQG** **1000341595**
NNE **16809 PIONEER BLVD** **FINDS** **CAD982014375**
1/8-1/4 **ARTESIA, CA 90701** **ECHO**
0.218 mi.
1150 ft. **Site 9 of 17 in cluster W**

Relative: **Lower**
Actual: **63 ft.**

RCRA-SQG:

Date Form Received by Agency:		19870720
Handler Name:	OSBORNS EXXON SERVICE	
Handler Address:		16809 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAD982014375
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		16809 PIONEER BLVD
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		213-865-7616
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		PIONEER BLVD
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		REX OSBORN
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

OSBORNS EXXON SERVICE (Continued) **1000341595**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	REX OSBORN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OSBORNS EXXON SERVICE (Continued) **1000341595**

Historic Generators:
Receive Date: 19870720
Handler Name: OSBORNS EXXON SERVICE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002776700

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000341595
Registry ID: 110002776700
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002776700
Name: OSBORNS EXXON SERVICE
Address: 16809 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701

140
North
1/8-1/4
0.225 mi.
1186 ft.

CERVANTES, LAWRENCE & MARY
11663 E. 168TH STREET
ARTESIA, CA 90701

RCRA NonGen / NLR **1024755384**
CAC002975206

Relative:
Lower

Actual:
62 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20180810
Handler Name:	CERVANTES, LAWRENCE & MARY
Handler Address:	11663 E. 168TH STREET
Handler City,State,Zip:	ARTESIA, CA 90701
EPA ID:	CAC002975206
Contact Name:	CERVANTES, LAWRENCE & MARY
Contact Address:	11663 E. 168TH STREET
Contact City,State,Zip:	ARTESIA, CA 90701
Contact Telephone:	415-272-2253
Contact Fax:	Not reported
Contact Email:	ANDREWC@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11663 E. 168TH STREET
Mailing City,State,Zip:	ARTESIA, CA 90701
Owner Name:	CERVANTES, LAWRENCE & MARY
Owner Type:	Other
Operator Name:	CERVANTES, LAWRENCE & MARY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CERVANTES, LAWRENCE & MARY (Continued) **1024755384**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CERVANTES, LAWRENCE & MARY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11663 E. 168TH STREET
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	415-272-2253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CERVANTES, LAWRENCE & MARY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11663 E. 168TH STREET
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	415-272-2253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CERVANTES, LAWRENCE & MARY (Continued) **1024755384**

Historic Generators:
Receive Date: 20180810
Handler Name: CERVANTES, LAWRENCE & MARY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

V141 **JORDAN, LEROY** **RCRA NonGen / NLR** **1024777466**
WNW **17105 GARD AVENUE** **CAC002997408**
1/8-1/4 **ARTESIA, CA 90701**
0.226 mi.
1192 ft. **Site 3 of 3 in cluster V**

Relative: **Lower**
Actual: **62 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20190121
Handler Name: JORDAN, LEROY
Handler Address: 17105 GARD AVENUE
Handler City,State,Zip: ARTESIA, CA 90701
EPA ID: CAC002997408
Contact Name: JORDAN, LEROY
Contact Address: 17105 GARD AVENUE
Contact City,State,Zip: ARTESIA, CA 90701
Contact Telephone: 562-899-1244
Contact Fax: Not reported
Contact Email: ANDREWC@PWSEI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 17105 GARD AVENUE
Mailing City,State,Zip: ARTESIA, CA 90701
Owner Name: JORDAN, LEROY

JORDAN, LEROY (Continued) **1024777466**

Owner Type:	Other
Operator Name:	JORDAN, LEROY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

JORDAN, LEROY (Continued) **1024777466**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: JORDAN, LEROY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 17105 GARD AVENUE
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-899-1244
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JORDAN, LEROY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 17105 GARD AVENUE
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-899-1244
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190121
Handler Name: JORDAN, LEROY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

X142 **BRIAN CURTISS** **RCRA NonGen / NLR** **1026169539**
NNW **11550 168TH STREET** **CAC003069587**
1/8-1/4 **ARTESIA, CA 90701**
0.232 mi.
1223 ft. **Site 1 of 2 in cluster X**

Relative: **Lower**
Actual: **63 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20200605
Handler Name:	BRIAN CURTISS	
Handler Address:		11550 168TH STREET
Handler City,State,Zip:		ARTESIA, CA 90701
EPA ID:		CAC003069587
Contact Name:		BRIAN CURTISS
Contact Address:		11550 168TH STREET
Contact City,State,Zip:		ARTESIA, CA 90701
Contact Telephone:		714-310-8722
Contact Fax:		Not reported
Contact Email:		ERNIE@SIRRIS.BIZ
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11550 168TH STREET
Mailing City,State,Zip:		ARTESIA, CA 90701
Owner Name:		BRIAN CURTISS
Owner Type:		Other
Operator Name:		BRIAN CURTISS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BRIAN CURTISS (Continued) **1026169539**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRIAN CURTISS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11550 168TH STREET
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	714-310-8722
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRIAN CURTISS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11550 168TH STREET
Owner/Operator City,State,Zip:	ARTESIA, CA 90701
Owner/Operator Telephone:	714-310-8722
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BRIAN CURTISS (Continued) **1026169539**

Historic Generators:
- Receive Date: 20200605
- Handler Name: BRIAN CURTISS
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

X143 **THOMAS HEATH** **RCRA NonGen / NLR** **1025836427**
NNW **11603 168TH ST** **CAC003016015**
1/8-1/4 **ARTESIA, CA 90701**
0.232 mi.
1225 ft. **Site 2 of 2 in cluster X**

Relative: **Lower**
Actual: **62 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 20190521
- Handler Name: THOMAS HEATH
- Handler Address: 11603 168TH ST
- Handler City,State,Zip: ARTESIA, CA 90701
- EPA ID: CAC003016015
- Contact Name: THOMAS HEATH
- Contact Address: 11603 168TH ST
- Contact City,State,Zip: ARTESIA, CA 90701
- Contact Telephone: 562-964-3674
- Contact Fax: Not reported
- Contact Email: ANAB@PWSEI.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 11603 168TH ST
- Mailing City,State,Zip: ARTESIA, CA 90701
- Owner Name: THOMAS HEATH

THOMAS HEATH (Continued) **1025836427**

Owner Type:	Other
Operator Name:	THOMAS HEATH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

THOMAS HEATH (Continued) **1025836427**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: THOMAS HEATH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11603 168TH ST
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-964-3674
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THOMAS HEATH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11603 168TH ST
Owner/Operator City,State,Zip: ARTESIA, CA 90701
Owner/Operator Telephone: 562-964-3674
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190521
Handler Name: THOMAS HEATH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W144 **PIONEER CHEVRON** **UST** **U004357355**
NNE **16725 PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.248 mi.
1312 ft. **Site 10 of 17 in cluster W**

Relative: UST:
Lower
Actual: Name: PIONEER CHEVRON
63 ft. Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Facility ID: LACoFA0020945
Permitting Agency: Los Angeles County Fire Department
CERSID: 10270855
Latitude: 33.87834
Longitude: -118.08283

W145 **95619** **HIST UST** **U001565217**
NNE **16725 PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.248 mi.
1312 ft. **Site 11 of 17 in cluster W**

Relative: HIST UST:
Lower
Actual: Name: 95619
63 ft. Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
File Number: 00026E02
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026E02.pdf
Region: STATE
Facility ID: 00000062785
Facility Type: Gas Station
Other Type: Not reported
Contact Name: STINSON,ROBERT W
Telephone: 2138605718
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1970
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1970
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1970

95619 (Continued) **U001565217**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1970
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

W146 **CHEVRON STATION NO 95619** **RCRA NonGen / NLR** **1006804978**
NNE **16725 PIONEER BLVD** **FINDS** **CAR000119180**
1/8-1/4 **ARTESIA, CA 90707** **ECHO**
0.248 mi.
1312 ft. **Site 12 of 17 in cluster W**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		20130313
63 ft. Handler Name:	CHEVRON STATION NO 95619	
Handler Address:		16725 PIONEER BLVD
Handler City,State,Zip:		ARTESIA, CA 90707
EPA ID:		CAR000119180
Contact Name:		KATHY NORRIS SLUSHER
Contact Address:		PO BOX 6004
Contact City,State,Zip:		SAN RAMON, CA 94583
Contact Telephone:		877-386-6044
Contact Fax:		866-849-4435
Contact Email:		NAWTDESK@CHEVRON.COM
Contact Title:		WASTE TECH
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 6004
Mailing City,State,Zip:		SAN RAMON, CA 94583
Owner Name:		CHEVRON USA
Owner Type:		Private
Operator Name:		KATHY NORRIS SLUSHER
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

CHEVRON STATION NO 95619 (Continued) **1006804978**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20130412
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

CHEVRON STATION NO 95619 (Continued) **1006804978**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA
Legal Status:	Private
Date Became Current:	19700723
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	877-386-6044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-842-5931
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KATHY NORRIS SLUSHER
Legal Status:	Private
Date Became Current:	19700723
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020516
Handler Name:	CHEVRON STATION NO 95619
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130313
Handler Name:	CHEVRON STATION NO 95619
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

CHEVRON STATION NO 95619 (Continued) **1006804978**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110013290777

Click Here:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1006804978
Registry ID:	110013290777
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013290777
Name:	CHEVRON STATION NO 95619
Address:	16725 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701

W147 **BOB'S CHEVRON STATION** **EDR Hist Auto** **1008993526**
NNE **16725 S PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.248 mi.
1312 ft. **Site 13 of 17 in cluster W**

Relative: EDR Hist Auto
Lower

Actual:
63 ft.

Year:	Name:	Type:
1970	BOB'S CHEVRON STATION	Not reported
1971	STINSON ROBERT WILLIAM	Gasoline Service Stations
1972	STINSON ROBERT WILLIAM	Gasoline Service Stations
1973	STINSON ROBERT WILLIAM	Gasoline Service Stations
1974	STINSON ROBERT WILLIAM	Gasoline Service Stations
1975	STINSON ROBERT WILLIAM	Gasoline Service Stations
1976	STINSON ROBERT WILLIAM	Gasoline Service Stations
1977	STINSON ROBERT WILLIAM	Gasoline Service Stations
1978	STINSON ROBERT WILLIAM	Gasoline Service Stations
1979	STINSON ROBERT WILLIAM	Gasoline Service Stations
1980	STINSON ROBERT WILLIAM	Gasoline Service Stations
1982	STINSON ROBERT WILLIAM	Gasoline Service Stations
1983	STINSON ROBERT WILLIAM	Gasoline Service Stations
1985	STINSON ROBERT WILLIAM	Gasoline Service Stations
1986	STINSON ROBERT WILLIAM	Gasoline Service Stations
1987	STINSON ROBERT WILLIAM	Gasoline Service Stations
1988	STINSON ROBERT WILLIAM	Gasoline Service Stations
1989	STINSON ROBERT WILLIAM	Gasoline Service Stations
1990	STINSON ROBERT WILLIAM	Gasoline Service Stations
1991	STINSON ROBERT WILLIAM	Gasoline Service Stations
1992	STINSON ROBERT WILLIAM	Gasoline Service Stations
1993	STINSON ROBERT WILLIAM	Gasoline Service Stations
1995	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
1996	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
1997	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
1998	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
1999	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
2000	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
2001	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
2002	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
2003	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
2004	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations
2005	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations, NEC
2006	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations, NEC
2007	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations, NEC
2008	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations, NEC
2008	KEVIN CORPORATION	Gasoline Service Stations, NEC
2009	KEVIN CORPORATION	Gasoline Service Stations, NEC
2009	A1 BOBS CHEVRON SERVICE	Gasoline Service Stations, NEC
2010	KEVIN CORPORATION	Gasoline Service Stations, NEC
2011	KEVIN CORPORATION	Gasoline Service Stations, NEC
2012	KEVIN CORPORATION	Gasoline Service Stations, NEC
2013	KEVIN CORPORATION	Gasoline Service Stations, NEC
2014	KEVIN CORPORATION	Gasoline Service Stations, NEC

W148 **CHEVRON #9-5619** **LUST** **S103281976**
NNE **16725 PIONEER BLVD S** **Cortese** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **CERS**
0.248 mi.
1312 ft. **Site 14 of 17 in cluster W**

Relative:
Lower

Actual:
63 ft.

LUST:

Name:	CHEVRON #9-5619
Address:	16725 PIONEER BLVD S
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704541
Global Id:	T0603704541
Latitude:	33.8787619
Longitude:	-118.0823932
Status:	Completed - Case Closed
Status Date:	12/03/2002
Case Worker:	NC
RB Case Number:	R-00737
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603704541
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704541
Contact Type:	Regional Board Caseworker
Contact Name:	NOMAN CHOWDHURY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	noman.chowdhury@waterboards.ca.gov
Phone Number:	2135766704

LUST:

Global Id:	T0603704541
Action Type:	Other
Date:	12/11/1997
Action:	Leak Reported

Global Id:	T0603704541
Action Type:	RESPONSE
Date:	04/15/2002
Action:	Monitoring Report - Quarterly

Global Id:	T0603704541
Action Type:	RESPONSE

CHEVRON #9-5619 (Continued) **S103281976**

Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704541
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704541
Action Type: ENFORCEMENT
Date: 08/02/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0603704541
Action Type: ENFORCEMENT
Date: 12/03/2002
Action: Closure/No Further Action Letter

Global Id: T0603704541
Action Type: ENFORCEMENT
Date: 11/07/2001
Action: Staff Letter

Global Id: T0603704541
Action Type: ENFORCEMENT
Date: 10/23/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0603704541
Action Type: Other
Date: 12/10/1997
Action: Leak Discovery

LUST:
Global Id: T0603704541
Status: Open - Case Begin Date
Status Date: 12/10/1997

Global Id: T0603704541
Status: Open - Site Assessment
Status Date: 12/11/1997

Global Id: T0603704541
Status: Open - Verification Monitoring
Status Date: 12/11/1997

Global Id: T0603704541
Status: Open - Site Assessment
Status Date: 11/07/2001

Global Id: T0603704541
Status: Completed - Case Closed
Status Date: 12/03/2002

Name: KEVIN CORP CHEVRON
Address: 16725 PIONEER BLVD S.

CHEVRON #9-5619 (Continued) **S103281976**

City,State,Zip: ARTESIA, CA 90701 1717
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0603798449
Global Id: SL0603798449
Latitude: 33.878341
Longitude: -118.082741
Status: Completed - Case Closed
Status Date: 12/03/2002
Case Worker: GK
RB Case Number: R-00737A
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: CLUP# 462079
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: SL0603798449
Contact Type: Local Agency Caseworker
Contact Name: TIM SMITH
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: tsmith@dpw.lacounty.gov
Phone Number: Not reported

Global Id: SL0603798449
Contact Type: Regional Board Caseworker
Contact Name: GREGG KWEY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH ST. SUITE 200- 1ST FLOOR
City: R4 UNKNOWN, LOS ANGELES
Email: gkwey@waterboards.ca.gov
Phone Number: 2135766702

LUST:
Global Id: SL0603798449
Action Type: ENFORCEMENT
Date: 12/03/2002
Action: Closure/No Further Action Letter

Global Id: SL0603798449
Action Type: Other
Date: 02/14/2006
Action: Leak Reported

Global Id: SL0603798449
Action Type: Other
Date: 11/20/2003
Action: Leak Discovery

Global Id: SL0603798449
Action Type: REMEDIATION
Date: 09/13/2005
Action: Not reported

CHEVRON #9-5619 (Continued) **S103281976**

LUST:

Global Id:	SL0603798449
Status:	Completed - Case Closed
Status Date:	12/03/2002

Global Id:	SL0603798449
Status:	Open - Case Begin Date
Status Date:	12/03/2002

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-00737	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		OT
Global ID:	T0603704541	
W Global ID:	Not reported	
Staff:	NC	
Local Agency:	19000	
Cross Street:	168TH ST	
Enforcement Type:	CLOS	
Date Leak Discovered:	12/10/1997	
Date Leak First Reported:		12/11/1997
Date Leak Record Entered:	1/23/1998	
Date Confirmation Began:	12/11/1997	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/3/2002
Date the Case was Closed:		12/3/2002
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	ROBERT W. STINSON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		622.41465662411352496905140496
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		11/7/2001
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		12/11/1997
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		11/1/2000
Hist Max MTBE Conc in Groundwater:		6
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	

CHEVRON #9-5619 (Continued) **S103281976**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MR. Y. M. TUAN
RP Address:	P.O. BOX 2833
Program:	LUST
Lat/Long:	33.8787619 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	TPH=820 PPM; 1/20/00 4TH QTR GW MON RPT 1999; 7/12/00 2ND QTR GW MON RPT 2000; 10/13/00 3RD QTR GW MON RPT 2000; 1/23/01 4TH QTR GW MON RPT 2000

CORTESE:

Name:	KEVIN CORP CHEVRON
Address:	16725 PIONEER BLVD S.
City,State,Zip:	ARTESIA, CA
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	SL0603798449
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	CHEVRON #9-5619
Address:	16725 PIONEER BLVD S
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704541
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported

CHEVRON #9-5619 (Continued) **S103281976**

Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	CHEVRON #9-5619
Address:	16725 PIONEER BLVD S
City,State,Zip:	ARTESIA, CA 90701
Site ID:	207202
CERS ID:	T0603704541
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NOMAN CHOWDHURY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766704

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Name:	KEVIN CORP CHEVRON
Address:	16725 PIONEER BLVD S.
City,State,Zip:	ARTESIA, CA 90701 1717
Site ID:	250221
CERS ID:	SL0603798449
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	GREGG KWEY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH ST. SUITE 200- 1ST FLOOR
Affiliation City:	R4 UNKNOWN, LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766702

CHEVRON #9-5619 (Continued) **S103281976**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	TIM SMITH - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S. FREMONT AVE.
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

W149 **PIONEER CHEVRON** **CERS HAZ WASTE** **S104537905**
NNE **16725 PIONEER BLVD** **SWEEPS UST** **N/A**
1/8-1/4 **ARTESIA, CA 90701** **CERS TANKS**
0.248 mi. **LOS ANGELES CO. HMS**
1312 ft. **Site 15 of 17 in cluster W** **CERS**
HWTS

Relative:
Lower

Actual:
63 ft.

CERS HAZ WASTE:

Name:	PIONEER CHEVRON
Address:	16725 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	399618
CERS ID:	10270855
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	CHEVRON USA SS # 05619
Address:	16725 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	737
Number:	9
Board Of Equalization:	44-007481
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000737-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	4

Name:	CHEVRON USA SS # 05619
Address:	16725 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	737
Number:	9
Board Of Equalization:	44-007481
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89

PIONEER CHEVRON (Continued) **S104537905**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000737-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON USA SS # 05619
Address: 16725 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 737
Number: 9
Board Of Equalization: 44-007481
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000737-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON USA SS # 05619
Address: 16725 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 737
Number: 9
Board Of Equalization: 44-007481
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000737-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CERS TANKS:
Name: PIONEER CHEVRON
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 399618
CERS ID: 10270855
CERS Description: Underground Storage Tank

PIONEER CHEVRON (Continued) **S104537905**

LOS ANGELES CO. HMS:

Name: CHEVRON USA CO
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011717
Region: LA
Permit Category: I
Facility Id: 000730-I00737
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000009010
Permit Status: Closed

Name: CHEVRON USA CO
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011717
Region: LA
Permit Category: Not reported
Facility Id: 000730-041886
Facility Type: Not reported
Facility Status: OPEN
Area: 1D
Permit Number: Not reported
Permit Status: Not reported

Name: KEVIN CORP / ARTESIA LAND LLC
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011717
Region: LA
Permit Category: I
Facility Id: 000730-043926
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000434056
Permit Status: Closed

Name: KEVIN CORP / ARTESIA LAND LLC
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011717
Region: LA
Permit Category: I
Facility Id: 000730-043926
Facility Type: 01
Facility Status: Permit
Area: 1D
Permit Number: 000573573
Permit Status: Permit

Name: KEVIN CORP / ARTESIA LAND LLC
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011717
Region: LA
Permit Category: I
Facility Id: 000730-043926
Facility Type: S4
Facility Status: Permit

PIONEER CHEVRON (Continued) **S104537905**

Area: 1D
Permit Number: 000597078
Permit Status: Permit

Name: PIONEER CHEVRON
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 907011717
Region: LA
Permit Category: T
Facility Id: 000730-051539
Facility Type: 0
Facility Status: Permit
Area: 1D
Permit Number: 000577608
Permit Status: Permit

CERS:
Name: PIONEER CHEVRON
Address: 16725 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 399618
CERS ID: 10270855
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 05-31-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 04/09/2020. CERS CORRECTIONS 1) FRCT,EXPIRED 051318 2) CFO LETTER EXP'D 021518 3) MONITORING PLAN,UDC SECTION+MISSING SIGNATURES
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-29-2015
Citation: HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description: Failure to submit, maintain, or implement an owner/operator written agreement.

PIONEER CHEVRON (Continued) **S104537905**

Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	HSC 6.7 25284(a)(3)(A) & (B); - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A) & (B);
Violation Description:	Failure to implement or maintain a written agreement between the UST permit holder and the operator (owner/operator agreement).
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the CUPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON

PIONEER CHEVRON (Continued) **S104537905**

Violation Date:	06-04-2019
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-04-2019
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description:	Failure of the automatic tank gauging (ATG) system to perform valid monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2643(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(2)
Violation Description:	Failure of the automatic tank gauge (ATG) to test the tank at least once per month when the product level in the tank is at least three feet and shall be capable of detecting a release of 0.1 gallons per hour.
Violation Notes:	Returned to compliance on 02/12/2018.

PIONEER CHEVRON (Continued) **S104537905**

Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-26-2020
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	"Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC)."
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

PIONEER CHEVRON (Continued) **S104537905**

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: 23 CCR 16 2632, 2634, 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-29-2015
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

PIONEER CHEVRON (Continued) **S104537905**

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: 23 CCR 16 2637(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f)
Violation Description: Failure to submit a copy of the secondary containment test results on the G Secondary Containment Testing report FormG to the UPA within 30 days after the test.
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 10-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/26/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for one 5,000-gallon diesel UST and one 55-gallon car wash soap to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to perform an annual line integrity test for pressurized double-walled piping that does not utilize fail safe or positive shut down.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

PIONEER CHEVRON (Continued) **S104537905**

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-29-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)

PIONEER CHEVRON (Continued) **S104537905**

Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 10-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/26/2015. OBSERVATION: The annotated site map submitted to the CUPA does not include locations of hazardous materials (gasoline, propane), storm and sewer drains, and emergency shutoff. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow

PIONEER CHEVRON (Continued) **S104537905**

to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Not reported

PIONEER CHEVRON (Continued) **S104537905**

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description: Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: 23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description: Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2643(b)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(5)
Violation Description: Failure of the continuous in-tank leak detection (CITLD) system to function properly.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017

PIONEER CHEVRON (Continued) **S104537905**

Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to comply with one or more of the following corrosion protection record retention requirements: Maintain records of cathodic protection systems testing within six months of installation and at least every three years thereafter. Maintain records for the 60 calendar day inspection of the impressed-current system. Maintain records for sacrificial anodes testing every three years. Have written monitoring and maintenance records on-site or off-site at a readily available location if approved by the CUPA.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-26-2020
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Response Plan available on site.

PIONEER CHEVRON (Continued) **S104537905**

Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-29-2015
Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-29-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON

PIONEER CHEVRON (Continued) **S104537905**

Violation Date: 06-04-2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 05-31-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 04/09/2020. CERS CORRECTIONS 1) FRCT,EXPIRED 051318 2) CFO LETTER EXP'D 021518 3) MONITORING PLAN,UDC SECTION+MISSING SIGNATURES
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

PIONEER CHEVRON (Continued) **S104537905**

Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-29-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-26-2020
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works

PIONEER CHEVRON (Continued) **S104537905**

Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: 23 CCR 16 2630(d), 2643(f), 2644.1(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2630(d), 2643(f), 2644.1(a)(2)
Violation Description: Failure to demonstrate to the CUPA that the equipment and methods used to monitor the UST system are certified by an independent third-party as complying with the standards set forth in 23 CCR 2643(f).
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: HSC 6.7 25284(a)(3)(A) & (B); - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A) & (B);
Violation Description: Failure to implement or maintain a written agreement between the UST permit holder and the operator (owner/operator agreement).
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618

PIONEER CHEVRON (Continued) **S104537905**

Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-13-2016
Citation:	HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

PIONEER CHEVRON (Continued) **S104537905**

Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 05-31-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/09/2020. CERS CORRECTIONS 1) FRCT,EXPIRED 051318 2) CFO LETTER EXP'D 021518 3) MONITORING PLAN,UDC SECTION+MISSING SIGNATURES
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2637(f), 2638(e), 2643(g), 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f), 2638(e), 2643(g), 2644.1(a)(4)
Violation Description: Failure to notify the CUPA 48 hours prior to testing.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description: Failure to maintain a copy of the designated operator monthly

PIONEER CHEVRON (Continued) **S104537905**

inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-04-2019
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-29-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-29-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618

PIONEER CHEVRON (Continued) **S104537905**

Site Name:	PIONEER CHEVRON
Violation Date:	06-04-2019
Citation:	23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)
Violation Description:	Failure to submit a copy of the spill containment test results on the G Spill Container Testing Report FormG to the UPA within 30 days after the test.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-26-2020
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-26-2020
Citation:	23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description:	"Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "
Violation Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection

PIONEER CHEVRON (Continued) **S104537905**

	report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	HSC 6.7 25292(a); 23 CCR 16 2643 - California Health and Safety Code, Chapter 6.7, Section(s) 25292(a); 23 CCR 16 2643
Violation Description:	Failure to outfit the single-walled UST system with a monitoring system capable of detecting unauthorized releases, e.g., automatic tank gauge (ATG) or continuous in-tank leak detection (CITLD).
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-26-2020
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST

PIONEER CHEVRON (Continued) **S104537905**

Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-26-2020
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes: 1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-20-2017
Citation: 23 CCR 16 2637(f), 2638(e), 2643(g), 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f), 2638(e), 2643(g), 2644.1(a)(4)
Violation Description: Failure to notify the CUPA 48 hours prior to testing.
Violation Notes: Returned to compliance on 02/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 399618
Site Name: PIONEER CHEVRON
Violation Date: 06-13-2016
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7,

PIONEER CHEVRON (Continued) **S104537905**

	Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	05-31-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 04/09/2020. CERS CORRECTIONS 1) FRCT,EXPIRED 051318 2) CFO LETTER EXP'D 021518 3) MONITORING PLAN,UDC SECTION+MISSING SIGNATURES
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	399618
Site Name:	PIONEER CHEVRON
Violation Date:	06-20-2017
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 02/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-26-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	1)2018 CTLS MISSING 2)FACILITY EMP TAINING CERT MISSING 3)SUBMIT LAST 12 MONTHS MONTHLY DO'S 4)CERS CORRECTIONS
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-01-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	SAEID POULDAR MANAGER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-31-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CERS CORRECTIONS 1) FRCT 2)MONITORIN PLAN

PIONEER CHEVRON (Continued) **S104537905**

Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-29-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:CERS DOCS NOT ACCURATE, EXPIRED, OR NOT UPOADED;DSL TK W/ CSLD @ .2GPH;FILL/PROD SUMPS W/ VR352;UDCS W/ VR208;ANN W/ VR409;PLLD
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Saeid Pouldar, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:1)OVFL LATE 2)17 CTLS NOT ONSITE 3)18 CTLS NOT SUBMITTED TO DPW4)NO TRAINED EMP. ONSITE 5)FOLLOW UP SIG. ON DO RPTS MISSING 6)CERS
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC MONIT.CERT'S 6/15,6/16,6/17. SB989 PAST DUE SINCE 6/15. CERS ALL INFRO. CERT.DSL ATG SINGLE WALL TK.FAILED TO COMPLY834522,807407
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-21-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Saeid Pouldar, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-01-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported

PIONEER CHEVRON (Continued) **S104537905**

Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-01-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	SAEID POULDAR MANAGER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:(1)LDS CERT'2015 NO IN SITE FILE;(2)UPDATE UST INFO ON CERS; (3)SB989 TEST'2015 REQD;(4)DSL CSLD 0.2GHP TEST COPIES, BOE# REQD.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	399618
Facility Name:	PIONEER CHEVRON
Env Int Type Code:	HMBP
Program ID:	10270855
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.878340
Longitude:	-118.082830

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Robert Pouldar
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(562) 860-5718
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	ROBERT POULDAR

PIONEER CHEVRON (Continued) **S104537905**

Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 780-4792
Affiliation Type Desc:	Parent Corporation
Entity Name:	PIONEER CHEVRON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	EDI POULDAR
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(310) 780-4792
Affiliation Type Desc:	Identification Signer
Entity Name:	EDI POULDAR
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	PIONEER CHEVRON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 780-4792
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	EDI POULDAR
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(310) 780-4792

PIONEER CHEVRON (Continued) **S104537905**

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Environmental Contact
Entity Name:	EDI POULDAR
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90701
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	EDI POULDAR
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(310) 780-4792

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Edi Pouldar (Artesia Land LLC)
Entity Title:	Not reported
Affiliation Address:	16725 PIONEER BLVD
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90701
Affiliation Phone:	(310) 780-4792

HWTS:

Name:	PIONEER CHEVRON
Address:	16725 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAL000205976
Inactive Date:	06/30/2003
Create Date:	12/18/2000
Last Act Date:	09/05/2001
Mailing Name:	Not reported
Mailing Address:	16725 PIONEER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907010000
Owner Name:	EDI PUOLDAR
Owner Address:	16725 PIONEER BLVD
Owner Address 2:	Not reported

PIONEER CHEVRON (Continued) **S104537905**

Owner City,State,Zip:	ARTESIA, CA 907010000
Contact Name:	EDI POULDAR
Contact Address:	16725 PIONEER BLVD
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000

W150 **CHEVRON USA SS 095619** **UST** **U004349979**
NNE **16725 PIONEER BLVD** **N/A**
1/8-1/4 **ARTESIA, CA 90701**
0.248 mi.
1312 ft. **Site 16 of 17 in cluster W**

Relative: UST:
Lower

Actual: Name:	CHEVRON USA SS 095619
63 ft. Address:	16725 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	737
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	33.879689
Longitude:	-118.081483

W151 **CHEVRON #9-5619** **HIST CORTESE** **S100858218**
NNE **16725 PIONEER** **N/A**
1/8-1/4 **ARTESIA, CA 90631**
0.248 mi.
1312 ft. **Site 17 of 17 in cluster W**

Relative: HIST CORTESE:
Lower

Actual: edr_fname:	CHEVRON #9-5619
63 ft. edr_fadd1:	16725 PIONEER
City,State,Zip:	ARTESIA, CA 90631
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-00737

Y152 **PIONEER HOSPITAL** **LUST** **U003775913**
SSE **17831 PIONEER BLVD** **UST** **N/A**
1/4-1/2 **ARTESIA, CA 90701** **Cortese**
0.322 mi. **CERS**
1702 ft. **Site 1 of 2 in cluster Y**

Relative: LUST REG 4:
Lower

Actual: Region:	4	
55 ft. Regional Board:	04	
County:	Los Angeles	
Facility Id:	907010061	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		FPGT
Global ID:	T0603701582	

PIONEER HOSPITAL (Continued) **U003775913**

W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	178TH	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/7/1986	
Date Leak First Reported:		5/5/1987
Date Leak Record Entered:	3/23/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/7/1986	
Date Case Last Changed on Database:		4/7/1995
Date the Case was Closed:		4/7/1995
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		930.83818124935989333596732 36
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		5/5/1987
Remediation Plan Submitted:		4/12/1989
Remedial Action Underway:		2/27/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	PIONEER HOSPITAL	
RP Address:	17831 PIONEER S., ARTESIA, CA 90701	
Program:	LUST	
Lat/Long:	33.8690921 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD TANK REMOVED AND NEW TANK INSTALLED. RAP APPROVED, NPDES PERMIT ADOPTED.	
Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907010061A	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	

PIONEER HOSPITAL (Continued) **U003775913**

Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603713113	
W Global ID:	Not reported	
Staff:	AJL	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	CLOS	
Date Leak Discovered:	12/31/2001	
Date Leak First Reported:		1/8/2002
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/9/2002
Date the Case was Closed:		1/28/2003
How Leak Discovered:	OM	
How Leak Stopped:	Close Tank	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		902.39705643497724690817033 22
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		3/5/2002
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		2/2/2002
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	PAUL QUNG	
RP Address:	17831 PIONNER BLVD.	
Program:	LUST	
Lat/Long:	33.869035 / -1	
Local Agency Staff:	UNK	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

UST:

Name:	PIONEER HOSPITAL
Address:	17831 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Facility ID:	2133
Permitting Agency:	LOS ANGELES COUNTY

PIONEER HOSPITAL (Continued) **U003775913**

CERSID: Not reported
Latitude: 33.86909
Longitude: -118.08237

CORTESE:
Name: PIONEER HOSPITAL
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603701582
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: PIONEER HOSPITAL (FORMER)
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603713113
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

PIONEER HOSPITAL (Continued) **U003775913**

Name: PIONEER HOSPITAL (FORMER)
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 187815
CERS ID: T0603713113
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: AHMAD J. LAMAA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 West 4th Street Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: UNK - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Y153 **SEE 002056-002133** **LUST** **S100227963**
SSE **17831 PIONEER BLVD** **SWEEPS UST** **N/A**
1/4-1/2 **ARTESIA, CA 90701** **EMI**
0.322 mi. **HIST CORTESE**
1702 ft. **Site 2 of 2 in cluster Y** **LOS ANGELES CO. HMS**
CERS

Relative:
Lower

Actual:
55 ft.

LUST:
Name: PIONEER HOSPITAL
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701582
Global Id: T0603701582
Latitude: 33.8690921
Longitude: -118.08237
Status: Completed - Case Closed
Status Date: 04/07/1995
Case Worker: YR
RB Case Number: 907010061
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701582

SEE 002056-002133 (Continued) **S100227963**

Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701582
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701582
Action Type: Other
Date: 05/05/1987
Action: Leak Reported

Global Id: T0603701582
Action Type: Other
Date: 10/07/1986
Action: Leak Stopped

Global Id: T0603701582
Action Type: Other
Date: 10/07/1986
Action: Leak Discovery

LUST:
Global Id: T0603701582
Status: Open - Case Begin Date
Status Date: 10/07/1986

Global Id: T0603701582
Status: Open - Site Assessment
Status Date: 05/05/1987

Global Id: T0603701582
Status: Open - Remediation
Status Date: 04/12/1989

Global Id: T0603701582
Status: Open - Remediation
Status Date: 02/27/1990

Global Id: T0603701582
Status: Completed - Case Closed
Status Date: 04/07/1995

Name: PIONEER HOSPITAL (FORMER)

SEE 002056-002133 (Continued) **S100227963**

Address:	17831 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603713113
Global Id:	T0603713113
Latitude:	33.8691054
Longitude:	-118.0823646
Status:	Completed - Case Closed
Status Date:	01/28/2003
Case Worker:	AJL
RB Case Number:	907010061A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603713113
Contact Type:	Local Agency Caseworker
Contact Name:	UNK
Organization Name:	LOS ANGELES COUNTY
Address:	Not reported
City:	R4 UNKNOWN
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0603713113
Contact Type:	Regional Board Caseworker
Contact Name:	AHMAD J. LAMAA
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 West 4th Street Suite 200
City:	Los Angeles
Email:	alamaa@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603713113
Action Type:	ENFORCEMENT
Date:	01/28/2003
Action:	Closure/No Further Action Letter

Global Id:	T0603713113
Action Type:	Other
Date:	01/08/2002
Action:	Leak Reported

Global Id:	T0603713113
Action Type:	RESPONSE
Date:	04/30/2002
Action:	Soil and Water Investigation Workplan

Global Id:	T0603713113
Action Type:	RESPONSE
Date:	05/30/2002

SEE 002056-002133 (Continued) **S100227963**

Action: Well Installation Report

Global Id: T0603713113
Action Type: RESPONSE
Date: 12/02/2002
Action: Monitoring Report - Quarterly

Global Id: T0603713113
Action Type: ENFORCEMENT
Date: 06/27/2002
Action: Staff Letter

Global Id: T0603713113
Action Type: ENFORCEMENT
Date: 03/05/2002
Action: Staff Letter

Global Id: T0603713113
Action Type: Other
Date: 12/31/2001
Action: Leak Discovery

LUST:
Global Id: T0603713113
Status: Open - Case Begin Date
Status Date: 12/31/2001

Global Id: T0603713113
Status: Open - Remediation
Status Date: 02/02/2002

Global Id: T0603713113
Status: Open - Site Assessment
Status Date: 03/05/2002

Global Id: T0603713113
Status: Completed - Case Closed
Status Date: 01/28/2003

SWEEPS UST:
Name: PIONEER HOSPITAL
Address: 17831 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 2133
Number: 9
Board Of Equalization: 44-007615
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002133-000001
Tank Status: A
Capacity: 500
Active Date: 01-08-93

SEE 002056-002133 (Continued) **S100227963**

Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	PIONEER HOSPITAL
Address:	17831 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	2133
Number:	9
Board Of Equalization:	44-007615
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-002133-000002
Tank Status:	A
Capacity:	1000
Active Date:	01-08-93
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

EMI:

Name:	PIONEER HOSPITAL
Address:	17831 S PIONEER BL
City,State,Zip:	ARTESIA, CA
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	1737
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	PIONEER HOSPITAL
edr_fadd1:	17831 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907010061

SEE 002056-002133 (Continued) **S100227963**

LOS ANGELES CO. HMS:
Name: PIONEER HOSPITAL
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: I
Facility Id: 002056-I02133
Facility Type: 01
Facility Status: Closed
Area: 1D
Permit Number: 000003848
Permit Status: Closed

Name: PIONEER HOSPITAL
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: T
Facility Id: 002056-002133
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 00005395T
Permit Status: Removed

Name: SEE 002056-002133
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: T
Facility Id: 002056-015133
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 00005849T
Permit Status: Removed

CERS:
Name: PIONEER HOSPITAL
Address: 17831 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 236909
CERS ID: T0603701582
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker

SEE 002056-002133 (Continued) **S100227963**

Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Z154 **VALUE CLEANERS** **CPS-SLIC** **1000424513**
WSW **11414 ARTESIA BLVD** **DRYCLEANERS** **N/A**
1/4-1/2 **ARTESIA, CA 90701** **CERS**
0.333 mi.
1757 ft. **Site 1 of 2 in cluster Z**

Relative:
Lower

Actual:
62 ft.

CPS-SLIC:

Name:	VALUE CLEANERS
Address:	11414 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	01/21/2010
Global Id:	SL204CJ2373
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8725250452228
Longitude:	-118.09052516219
Case Type:	Cleanup Program Site
Case Worker:	JY
Local Agency:	Not reported
RB Case Number:	0933
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Indoor Air, Soil, Soil Vapor
Potential Contaminants of Concern:	Not reported
Site History:	The site was developed as a parkign shelter and an electrical shop in 1958. Value Dry Cleaners operated a dry cleaning business since 1987.

Click here to access the California GeoTracker records for this facility:

DRYCLEANERS:

Name:	VALUE CLEANERS
Address:	11414 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 907010000
EPA Id:	CAD982020125
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/17/1988
Facility Active:	No
Inactive Date:	06/30/2013
Facility Addr2:	Not reported
Owner Name:	MAHENDRA DOSHI
Owner Address:	11414-B ARTESIA BLVD
Owner Address 2:	Not reported
Owner Telephone:	5628602295

VALUE CLEANERS (Continued) **1000424513**

Contact Name:	MAHENDRA DOSHI - OWNER
Contact Address:	11414 ARTESIA BLVD SUITE B
Contact Address 2:	Not reported
Contact Telephone:	5628602295
Contact Fax:	0
Mailing Name:	Not reported
Mailing Address 1:	11414 ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City:	ARTESIA
Mailing State:	CA
Mailing Zip:	907013855
Owner Fax:	0
Region Code:	3
Latitude:	33.872914
Longitude:	-118.090736

CERS:

Name:	VALUE CLEANERS
Address:	11414 ARTESIA BLVD
City,State,Zip:	ARTESIA, CA 90701
Site ID:	209494
CERS ID:	SL204CJ2373
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JESSICA YEUNG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 West 4th St., Suite 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766729

155
SE
1/4-1/2
0.334 mi.
1765 ft.

ABC UNIFIED SCHOOL DISTRICT
11865 178TH ST E
ARTESIA, CA 90701

LUST **S101295553**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Lower

Actual:
55 ft.

LUST:

Name:	ABC UNIFIED SCHOOL DISTRICT
Address:	11865 178TH ST E
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705086
Global Id:	T0603705086
Latitude:	33.869413
Longitude:	-118.0805591
Status:	Completed - Case Closed
Status Date:	07/02/1999
Case Worker:	NB
RB Case Number:	R-11981
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705086
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705086
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:
Global Id: T0603705086
Action Type: Other
Date: 07/17/1986
Action: Leak Reported

Global Id: T0603705086
Action Type: Other
Date: 08/03/1988
Action: Leak Stopped

Global Id: T0603705086
Action Type: Other
Date: 06/11/1986
Action: Leak Discovery

LUST:
Global Id: T0603705086
Status: Open - Case Begin Date
Status Date: 06/11/1986

Global Id: T0603705086
Status: Open - Site Assessment
Status Date: 06/10/1988

Global Id: T0603705086
Status: Completed - Case Closed
Status Date: 07/02/1999

Name: ABC UNIFIED SCHOOL DISTRICT
Address: 11865 178TH ST. E.
City,State,Zip: ARTESIA, CA 90701

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603706974
Global Id:	T0603706974
Latitude:	33.869414
Longitude:	-118.080565
Status:	Completed - Case Closed
Status Date:	03/27/2019
Case Worker:	NC
RB Case Number:	R-11981A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0603706974
Contact Type:	Local Agency Caseworker
Contact Name:	GILLIAN MINTIER
Organization Name:	LOS ANGELES COUNTY
Address:	900 SOUTH FREMONT AVE
City:	ALHAMBRA
Email:	gmintier@ladpw.org
Phone Number:	Not reported

Global Id:	T0603706974
Contact Type:	Local Agency Caseworker
Contact Name:	MANUEL R REGALADO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	mregalad@dpw.lacounty.gov
Phone Number:	Not reported

Global Id:	T0603706974
Contact Type:	Regional Board Caseworker
Contact Name:	NOMAN CHOWDHURY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	noman.chowdhury@waterboards.ca.gov
Phone Number:	2135766704

LUST:

Global Id:	T0603706974
Action Type:	ENFORCEMENT
Date:	07/29/2009
Action:	Referral to Regional Board - #C619686

Global Id:	T0603706974
Action Type:	Other
Date:	06/15/2005
Action:	Leak Reported

Global Id:	T0603706974

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Action Type: RESPONSE
Date: 06/15/2005
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603706974
Action Type: ENFORCEMENT
Date: 09/14/2018
Action: Notification - Public Notice of Case Closure

Global Id: T0603706974
Action Type: RESPONSE
Date: 11/30/2009
Action: Other Report / Document

Global Id: T0603706974
Action Type: ENFORCEMENT
Date: 02/07/2019
Action: State Water Board Closure Order - #2019-0003

Global Id: T0603706974
Action Type: ENFORCEMENT
Date: 09/25/2009
Action: Staff Letter

Global Id: T0603706974
Action Type: ENFORCEMENT
Date: 03/27/2019
Action: Closure/No Further Action Letter

Global Id: T0603706974
Action Type: Other
Date: 05/27/1999
Action: Leak Discovery

Global Id: T0603706974
Action Type: REMEDIATION
Date: 05/27/1999
Action: Not reported

LUST:
Global Id: T0603706974
Status: Open - Case Begin Date
Status Date: 05/27/1999

Global Id: T0603706974
Status: Open - Site Assessment
Status Date: 06/15/2005

Global Id: T0603706974
Status: Open - Referred
Status Date: 07/29/2009

Global Id: T0603706974
Status: Open - Site Assessment
Status Date: 09/25/2009

Global Id: T0603706974

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Status: Open - Inactive
Status Date: 05/15/2015

Global Id: T0603706974
Status: Open - Site Assessment
Status Date: 10/20/2015

Global Id: T0603706974
Status: Open - Eligible for Closure
Status Date: 05/18/2017

Global Id: T0603706974
Status: Completed - Case Closed
Status Date: 03/27/2019

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-11981	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		FPED
Global ID:	T0603705086	
W Global ID:	Not reported	
Staff:	NB	
Local Agency:	19000	
Cross Street:	PIONEER	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/11/1986	
Date Leak First Reported:		7/17/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	8/3/1988	
Date Case Last Changed on Database:		6/24/1999
Date the Case was Closed:		7/2/1999
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	PHILLIPS, JOANN	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		896.21786269857613756944679 72
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/10/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Hist Max MTBE Conc in Groundwater: 3.1
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ABC UNIFIED SCHOOL DISTRICT
RP Address: 16700 NORWALK BLVD, CERRITOS, CA 90701
Program: LUST
Lat/Long: 33.869491 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/MODERATE - POTENTIAL WATER IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TANKS REMOVED 08/03/88. PRODUCT RECOVERY UNDERWAY. ADDITIONAL SITE ASSESSMENT REQUESTED. OLD CASE #907010043; 11/24/98 GW MONITORING RPT-4TH QTR 1998; 6/24/99 1ST QTR GW MON RPT 1999

CORTESE:
Name: ABC UNIFIED SCHOOL DISTRICT
Address: 11865 178TH ST. E.
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603706974
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: ABC UNIFIED SCHOOL DISTRICT
Address: 11865 178TH ST E
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603705086
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ABC UNIFIED SCHOOL DISTRI
edr_fadd1:	11865 178TH
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-11981

CERS:

Name:	ABC UNIFIED SCHOOL DISTRICT
Address:	11865 178TH ST. E.
City,State,Zip:	ARTESIA, CA 90701
Site ID:	206771
CERS ID:	T0603706974
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NOMAN CHOWDHURY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766704

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	GILLIAN MINTIER - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 SOUTH FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	MANUEL R REGALADO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S. FREMONT AVE.

ABC UNIFIED SCHOOL DISTRICT (Continued) **S101295553**

Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	ABC UNIFIED SCHOOL DISTRICT
Address:	11865 178TH ST E
City,State,Zip:	ARTESIA, CA 90701
Site ID:	211451
CERS ID:	T0603705086
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766703

AA156 **ARTESIA BUILDING MATERIALS, INC.** **LUST** **S102063507**
NNE **16632 PIONEER BLVD SOUTH** **Cortese** **N/A**
1/4-1/2 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.342 mi. **CERS**
1805 ft. **Site 1 of 4 in cluster AA**

Relative:
Higher

Actual:
65 ft.

LUST:

Name:	ARTESIA BUILDING MATERIALS, INC.
Address:	16632 PIONEER BLVD SOUTH
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603750351
Global Id:	T0603750351
Latitude:	33.879411
Longitude:	-118.081651
Status:	Open - Site Assessment
Status Date:	02/27/2012
Case Worker:	AJL
RB Case Number:	R-01106
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Local Case Number: 8978-1106
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603750351
Contact Type: Local Agency Caseworker
Contact Name: TIM SMITH
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: tsmith@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603750351
Contact Type: Regional Board Caseworker
Contact Name: AHMAD J. LAMAA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 West 4th Street Suite 200
City: Los Angeles
Email: alamaa@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 12/23/2015
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 11/30/2020
Action: Staff Letter

Global Id: T0603750351
Action Type: Other
Date: 06/23/1999
Action: Leak Reported

Global Id: T0603750351
Action Type: RESPONSE
Date: 01/15/2007
Action: Other Report / Document

Global Id: T0603750351
Action Type: RESPONSE
Date: 10/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Date: 04/25/2019
Action: Soil and Water Investigation Report

Global Id: T0603750351
Action Type: RESPONSE
Date: 12/30/2020
Action: Soil Vapor Intrusion Investigation Workplan

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 01/15/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 03/27/2009
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 03/28/2011
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 02/01/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 01/25/2019
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 11/08/2018
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 01/07/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2009
Action: Soil and Water Investigation Report

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/31/2009
Action: Other Report / Document

Global Id: T0603750351
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2012
Action: Conceptual Site Model

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603750351
Action Type: RESPONSE
Date: 08/28/2012
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 02/25/2016
Action: Correspondence

Global Id: T0603750351
Action Type: RESPONSE

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Date: 07/15/2019
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 01/27/2009
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 08/26/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603750351
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2008
Action: Well Installation Report

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2008
Action: Other Report / Document

Global Id: T0603750351
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 04/15/2012
Action: Site Assessment Report

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 06/16/2006
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 01/25/2019
Action: Staff Letter

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603750351
Action Type: RESPONSE
Date: 05/15/2011
Action: Soil and Water Investigation Workplan

Global Id: T0603750351
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 10/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 01/25/2008
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 09/28/2007
Action: Staff Letter

Global Id: T0603750351
Action Type: ENFORCEMENT
Date: 02/17/2012
Action: Staff Letter

Global Id: T0603750351
Action Type: Other
Date: 06/07/1999
Action: Leak Discovery

Global Id: T0603750351
Action Type: RESPONSE
Date: 12/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603750351
Action Type: RESPONSE
Date: 08/06/2010
Action: Other Report / Document

Global Id: T0603750351
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Date: 08/24/2010
Action: Well Installation Report

Global Id: T0603750351
Action Type: RESPONSE
Date: 12/30/2020
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603750351
Action Type: RESPONSE
Date: 01/15/2021
Action: Monitoring Report - Semi-Annually

Global Id: T0603750351
Action Type: RESPONSE
Date: 08/15/2018
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0603750351
Action Type: RESPONSE
Date: 12/08/2018
Action: Soil and Water Investigation Workplan - Regulator Responded

LUST:
Global Id: T0603750351
Status: Open - Case Begin Date
Status Date: 06/07/1999

Global Id: T0603750351
Status: Open - Site Assessment
Status Date: 01/25/2008

Global Id: T0603750351
Status: Open - Site Assessment
Status Date: 02/27/2012

CORTESE:
Name: ARTESIA BUILDING MATERIALS, INC.
Address: 16632 PIONEER BLVD SOUTH
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603750351
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported

ARTESIA BUILDING MATERIALS, INC. (Continued) **S102063507**

Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

LOS ANGELES CO. HMS:
Name: ARTESIA BUILDING MATERIALS INC
Address: 16632 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: T
Facility Id: 008978-001106
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 00002932T
Permit Status: Removed

CERS:
Name: ARTESIA BUILDING MATERIALS, INC.
Address: 16632 PIONEER BLVD SOUTH
City,State,Zip: ARTESIA, CA 90701
Site ID: 193049
CERS ID: T0603750351
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TIM SMITH - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766703

Z157 **VALUE CLEANERS** **CPS-SLIC** **S104549279**
WSW **11402 ARTESIA** **N/A**
1/4-1/2 **ARTESIA, CA 90701**
0.350 mi.
1846 ft. **Site 2 of 2 in cluster Z**

Relative: **Lower**
Actual: **63 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0933
Substance:	VOCs
Staff:	RE

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158 **UNOCAL #5659** **LUST** **S102440056**
West **11355 ARTESIA BLVD** **Cortese** **N/A**
1/4-1/2 **CERRITOS, CA 90703** **HIST CORTESE**
0.373 mi. **CERS**
1971 ft.

Relative: **Higher**
Actual: **64 ft.**

LUST:

Name:	UNOCAL #5659
Address:	11355 ARTESIA BLVD
City,State,Zip:	CERRITOS, CA 90703
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704601
Global Id:	T0603704601
Latitude:	33.8731181
Longitude:	-118.0917045
Status:	Completed - Case Closed
Status Date:	05/01/1996
Case Worker:	JOA
RB Case Number:	R-02640
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704601
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704601
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

UNOCAL #5659 (Continued) **S102440056**

LUST:
Global Id: T0603704601
Action Type: Other
Date: 02/19/1996
Action: Leak Reported

Global Id: T0603704601
Action Type: Other
Date: 02/19/1996
Action: Leak Stopped

Global Id: T0603704601
Action Type: Other
Date: 02/19/1996
Action: Leak Discovery

LUST:
Global Id: T0603704601
Status: Open - Case Begin Date
Status Date: 02/19/1996

Global Id: T0603704601
Status: Completed - Case Closed
Status Date: 05/01/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-02640
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704601
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: GRIDLEY RD
Enforcement Type: Not reported
Date Leak Discovered: 2/19/1996
Date Leak First Reported: 2/19/1996
Date Leak Record Entered: 4/16/1996
Date Confirmation Began: Not reported
Date Leak Stopped: 2/19/1996
Date Case Last Changed on Database: 5/1/1996
Date the Case was Closed: 5/1/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported

UNOCAL #5659 (Continued) **S102440056**

Well Name: Not reported
Approx. Dist To Production Well (ft): 1551.8445493467027494669343136
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNOCAL CORPORATION
RP Address: 376 VALENCIA AVE S BLDG R BREA CA 92621
Program: LUST
Lat/Long: 33.8731181 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CORTESE:
Name: UNOCAL #5659
Address: 11355 ARTESIA BLVD
City,State,Zip: CERRITOS, CA 90703
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704601
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

UNOCAL #5659 (Continued) **S102440056**

HIST CORTESE:

edr_fname:	UNOCAL #5659
edr_fadd1:	11355 ARTESIA
City,State,Zip:	CERRITOS, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-02640

CERS:

Name:	UNOCAL #5659
Address:	11355 ARTESIA BLVD
City,State,Zip:	CERRITOS, CA 90703
Site ID:	245809
CERS ID:	T0603704601
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

AA159 **DIAMOND TIRE CENTER** **LUST** **S101295550**
NNE **16604 PIONEER** **ENF** **N/A**
1/4-1/2 **ARTESIA, CA 90701** **HIST CORTESE**
0.375 mi.
1978 ft. **Site 2 of 4 in cluster AA**

Relative:
Higher

Actual:
66 ft.

LUST:

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BLVD
City,State,Zip:	ARTESIA, CA 90701
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704070
Global Id:	T0603704070
Latitude:	33.8802389
Longitude:	-118.0821693
Status:	Open - Remediation
Status Date:	01/09/2001

DIAMOND TIRE CENTER (Continued) **S101295550**

Case Worker: AJL
RB Case Number: I-13467
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603704070
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704070
Contact Type: Regional Board Caseworker
Contact Name: AHMAD J. LAMAA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 West 4th Street Suite 200
City: Los Angeles
Email: alamaa@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 11/30/2020
Action: Staff Letter

Global Id: T0603704070
Action Type: Other
Date: 08/31/1987
Action: Leak Reported

Global Id: T0603704070
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603704070
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704070
Action Type: RESPONSE
Date: 01/15/2004

DIAMOND TIRE CENTER (Continued) **S101295550**

Action:	Monitoring Report - Quarterly
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Soil and Water Investigation Report
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Other Report / Document
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	10/13/2020
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	01/15/2021
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603704070
Action Type:	RESPONSE
Date:	03/01/2021
Action:	Corrective Action Plan / Remedial Action Plan

DIAMOND TIRE CENTER (Continued) **S101295550**

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 03/08/2006
Action: Clean-up and Abatement Order

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 06/14/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 03/20/2018
Action: Staff Letter

Global Id: T0603704070
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603704070
Action Type: RESPONSE
Date: 05/02/2012
Action: Well Installation Report

Global Id: T0603704070
Action Type: RESPONSE
Date: 04/15/2012
Action: Conceptual Site Model

Global Id: T0603704070
Action Type: RESPONSE
Date: 01/15/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 12/17/2010
Action: Administrative Civil Liabilities Complaint

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 11/09/2015
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603704070
Action Type: Other
Date: 06/18/1987
Action: Leak Stopped

Global Id: T0603704070
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704070
Action Type: RESPONSE

DIAMOND TIRE CENTER (Continued) **S101295550**

Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603704070
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603704070
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 05/04/2010
Action: Notice of Violation

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 11/20/2018
Action: Other Report

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 05/17/2017
Action: Letter - Notice

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 05/20/2019
Action: Staff Letter

Global Id: T0603704070
Action Type: RESPONSE
Date: 01/14/2011
Action: Other Report / Document

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 03/17/2002
Action: Staff Letter

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 12/12/2002
Action: Staff Letter

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 06/24/2002
Action: Staff Letter

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 11/19/2001
Action: Staff Letter

DIAMOND TIRE CENTER (Continued) **S101295550**

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 03/08/2021
Action: Staff Letter

Global Id: T0603704070
Action Type: ENFORCEMENT
Date: 03/08/2006
Action: Clean-up and Abatement Order - #R4-2006-0025

Global Id: T0603704070
Action Type: Other
Date: 08/11/1987
Action: Leak Discovery

Global Id: T0603704070
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704070
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603704070
Action Type: RESPONSE
Date: 07/15/2019
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

LUST:
Global Id: T0603704070
Status: Open - Case Begin Date
Status Date: 02/14/1987

Global Id: T0603704070
Status: Open - Site Assessment
Status Date: 02/14/1987

Global Id: T0603704070
Status: Open - Site Assessment
Status Date: 05/19/1987

Global Id: T0603704070
Status: Open - Site Assessment
Status Date: 08/13/1987

Global Id: T0603704070
Status: Open - Verification Monitoring
Status Date: 08/31/1987

Global Id: T0603704070
Status: Open - Remediation
Status Date: 06/30/2000

Global Id: T0603704070
Status: Open - Remediation

DIAMOND TIRE CENTER (Continued) **S101295550**

Status Date: 01/09/2001

ENF:

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	221369
Agency Name:	Diamond Tire Center
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.880228
Place Longitude:	-118.082345
SIC Code 1:	7539
SIC Desc 1:	Automotive Repair Shops, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4B191523N01
Reg Measure Id:	169459
Reg Measure Type:	Unregulated
Region:	4
Order #:	Unreg UST
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	08/06/2012

DIAMOND TIRE CENTER (Continued) **S101295550**

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	379728
Region:	4
Order / Resolution Number:	R4-2010-0211
Enforcement Action Type:	Admin Civil Liability
Effective Date:	12/17/2010
Adoption/Issuance Date:	06/28/2013
Achieve Date:	Not reported
Termination Date:	06/28/2015
ACL Issuance Date:	12/17/2010
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL R4-2010-0211 for Diamond Tire Center
Description:	ACL R4-2010-0211 for Diamond Tire Center (12/17/10) was issued for failure to comply with the terms of CAO No R4-2006-0025 specifically requirements A, B, and C.
Program:	UST
Latest Milestone Completion Date:	6/30/2015
# Of Programs1:	1
Total Assessment Amount:	25000
Initial Assessed Amount:	310130
Liability $ Amount:	25000
Project $ Amount:	0
Liability $ Paid:	25000
Project $ Completed:	0
Total $ Paid/Completed Amount:	25000

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	221369
Agency Name:	Diamond Tire Center
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.880228
Place Longitude:	-118.082345
SIC Code 1:	7539
SIC Desc 1:	Automotive Repair Shops, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

DIAMOND TIRE CENTER (Continued) **S101295550**

SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4B191523N01
Reg Measure Id:	169459
Reg Measure Type:	Unregulated
Region:	4
Order #:	Unreg UST
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	08/06/2012
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	379727
Region:	4
Order / Resolution Number:	R4-2006-025
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/08/2006
Adoption/Issuance Date:	03/08/2006
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported

DIAMOND TIRE CENTER (Continued) **S101295550**

EPL Issuance Date:	Not reported
Status:	Active
Title:	CAO R4-2006-025 for Diamond Tire Center (03/08/06)
Description:	CAO R4-2006-025 for Diamond Tire Center (03/08/06) to compel the RP to assess, monitor, report, and clean up and abate the effects of gasoline discharged to soil and groundwater.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	221369
Agency Name:	Diamond Tire Center
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.880228
Place Longitude:	-118.082345
SIC Code 1:	7539
SIC Desc 1:	Automotive Repair Shops, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1

DIAMOND TIRE CENTER (Continued) **S101295550**

WDID:	4B191523N01
Reg Measure Id:	169459
Reg Measure Type:	Unregulated
Region:	4
Order #:	Unreg UST
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	08/06/2012
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	379709
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	05/04/2010
Adoption/Issuance Date:	05/04/2010
Achieve Date:	Not reported
Termination Date:	12/17/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/04/2010 for Diamond Tire Center
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BOULEVARD
City,State,Zip:	ARTESIA, CA 90701
Region:	4
Facility Id:	221369
Agency Name:	Diamond Tire Center

DIAMOND TIRE CENTER (Continued) **S101295550**

Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.880228
Place Longitude:	-118.082345
SIC Code 1:	7539
SIC Desc 1:	Automotive Repair Shops, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4B191523N01
Reg Measure Id:	169459
Reg Measure Type:	Unregulated
Region:	4
Order #:	Unreg UST
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	08/06/2012
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

DIAMOND TIRE CENTER (Continued) **S101295550**

Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240022
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	11/19/2001
Adoption/Issuance Date:	11/19/2001
Achieve Date:	Not reported
Termination Date:	11/19/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV for Diamond Tire Center (11/19/01)
Description:	Notice of Violation sent 11/19/01 for overdue Preliminary Site Conceptual Model report.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	DIAMOND TIRE CENTER
edr_fadd1:	16604 PIONEER
City,State,Zip:	ARTESIA, CA 90701
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-13467

AA160 **DIAMOND TIRE CENTER** **SWEEPS UST** **S106410181**
NNE **16604 PIONEER BLVD** **Cortese** **N/A**
1/4-1/2 **ARTESIA, CA 90701** **LOS ANGELES CO. HMS**
0.375 mi. **CERS**
1978 ft. **Site 3 of 4 in cluster AA**

Relative:
Higher

Actual:
66 ft.

SWEEPS UST:

Name:	DIAMOND TIRE CENTER
Address:	16604 S PIONEER BLVD
City:	ARTESIA
Status:	Active
Comp Number:	13467
Number:	9
Board Of Equalization:	44-010167
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013467-000001
Tank Status:	A

DIAMOND TIRE CENTER (Continued) **S106410181**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Name: DIAMOND TIRE CENTER
Address: 16604 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 13467
Number: 9
Board Of Equalization: 44-010167
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013467-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: DIAMOND TIRE CENTER
Address: 16604 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 13467
Number: 9
Board Of Equalization: 44-010167
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013467-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: DIAMOND TIRE CENTER
Address: 16604 S PIONEER BLVD
City: ARTESIA
Status: Active
Comp Number: 13467
Number: 9
Board Of Equalization: 44-010167
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

DIAMOND TIRE CENTER (Continued) **S106410181**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013467-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CORTESE:
Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BOULEVARD
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: Not reported
Site/Facility Type: Not reported
Cleanup Status: Not reported
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: CORTESE
Order No: Unreg UST
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: 4
WID Id: 4B191523N01
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Cease Desist Orders & Cleanup Abatement Orders

Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704070
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - REMEDIATION
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

DIAMOND TIRE CENTER (Continued) **S106410181**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

LOS ANGELES CO. HMS:
Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: T
Facility Id: 013166-013467
Facility Type: 0
Facility Status: Removed
Area: 1D
Permit Number: 00005114T
Permit Status: Removed

Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: Not reported
Facility Id: 013166-027387
Facility Type: Not reported
Facility Status: OPEN
Area: 1D
Permit Number: Not reported
Permit Status: Not reported

Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Region: LA
Permit Category: I
Facility Id: 013166-036028
Facility Type: 01
Facility Status: Removed
Area: 1D
Permit Number: 000015790
Permit Status: Removed

CERS:
Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Site ID: 206464
CERS ID: T0603704070
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: AHMAD J. LAMAA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 West 4th Street Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported

DIAMOND TIRE CENTER (Continued) **S106410181**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

AA161 **DIAMOND TIRE CENTER** **LUST U003777127**
NNE **16604 PIONEER BLVD** **UST N/A**
1/4-1/2 **ARTESIA, CA 90701** **HWTS**
0.375 mi.
1978 ft. **Site 4 of 4 in cluster AA**

Relative: **Higher**
Actual: **66 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-13467	
Status:	Remedial action (cleanup) Underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		EDFP
Global ID:	T0603704070	
W Global ID:	Not reported	
Staff:	AJL	
Local Agency:	19000	
Cross Street:	166TH	
Enforcement Type:	DLSEL	
Date Leak Discovered:	8/11/1987	
Date Leak First Reported:		8/31/1987
Date Leak Record Entered:	8/24/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	6/18/1987	
Date Case Last Changed on Database:		7/12/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	GEZALIAN, JOSEPH	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		846.19778026036039413329239 76
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		2/14/1987
Preliminary Site Assessment Began:		5/19/1987
Pollution Characterization Began:		8/13/1987
Remediation Plan Submitted:		6/30/2000
Remedial Action Underway:		1/9/2001

DIAMOND TIRE CENTER (Continued) **U003777127**

Post Remedial Action Monitoring Began: 8/31/1987
Enforcement Action Date: 3/12/2001
Historical Max MTBE Date: 6/4/1999
Hist Max MTBE Conc in Groundwater: 4230
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. JOSEPH DERHAKE
RP Address: 2309 PACIFIC COAST HWY.
Program: LUST
Lat/Long: 33.8802389 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: NEED ADDITIONAL G.W. MONITORING AND CLEAN-UP REMEDIAL ACTION PLAN.; 6/30/00 AIR SPARGING/VE PILOT TEST & REMED. PLAN; 9/26/00 GW MON RPT; 12/21/00 QTR GW MON RPT NO. 15; 1/9/01 REVISED RAP; 4/13/01 REMED. PROGRESS RPT #1 & Q

UST:
Name: DIAMOND TIRE CENTER
Address: 16604 PIONEER BLVD
City,State,Zip: ARTESIA, CA 90701
Facility ID: 13467
Permitting Agency: LOS ANGELES COUNTY
CERSID: Not reported
Latitude: 33.881397
Longitude: -118.08069

HWTS:
Name: BB STAR AUTO REPAIR
Address: 16604 PIONEER BLVD
Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701
EPA ID: CAL000454035
Inactive Date: 06/30/2020
Create Date: 04/02/2020
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: 16604 PIONEER BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: ARTESIA, CA 90701
Owner Name: AJMAL ALADROOS
Owner Address: 19716 GEORGINA CIR
Owner Address 2: Not reported
Owner City,State,Zip: CERRITOS, CA 90703
Contact Name: AJMAL ALADROOS
Contact Address: 16604 PIONEER BLVD
Contact Address 2: Not reported
City,State,Zip: ARTESIA, CA 90701

DIAMOND TIRE CENTER (Continued) **U003777127**

NAICS:

EPA ID:	CAL000454035
Create Date:	2020-04-02 10:28:08.360
NAICS Code:	812990
NAICS Description:	All Other Personal Services
Issued EPA ID Date:	2020-04-02 10:28:08.34300
Inactive Date:	2020-06-30 00:00:00
Facility Name:	BB STAR AUTO REPAIR
Facility Address:	16604 PIONEER BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90701

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907010000
EPA ID:	CAC002530223
Inactive Date:	03/18/2003
Create Date:	03/01/2002
Last Act Date:	03/01/2002
Mailing Name:	Not reported
Mailing Address:	16604 PIONEER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ARTESIA, CA 907011716
Owner Name:	SARKIS GAZALIAN
Owner Address:	16604 PIONEER BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ARTESIA, CA 907011716
Contact Name:	SARKIS GAZALIAN - OWNER
Contact Address:	16604 PIONEER BLVD
Contact Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907011716

Name:	DIAMOND TIRE CENTER
Address:	16604 PIONEER BLVD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907011716
EPA ID:	CAC003049388
Inactive Date:	04/03/2020
Create Date:	01/03/2020
Last Act Date:	04/04/2020
Mailing Name:	Not reported
Mailing Address:	536 1/2 N KENMORE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900042902
Owner Name:	MR. JOSEPH GEZALIAN
Owner Address:	536 1/2 N KENMORE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900042902
Contact Name:	MR. JOSEPH GEZALIAN
Contact Address:	536 1/2 N KENMORE AVE
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900042902

DIAMOND TIRE CENTER (Continued) **U003777127**

NAICS:

EPA ID:	CAC003049388
Create Date:	2020-01-03 12:39:42.477
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2020-01-03 12:39:42.47700
Inactive Date:	2020-04-03 12:39:42.46000
Facility Name:	DIAMOND TIRE CENTER
Facility Address:	16604 PIONEER BLVD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	907011716

Name:	MR. JOSEPH GEZALIAN
Address:	16604 PIONEER BOULEVARD
Address 2:	Not reported
City,State,Zip:	ARTESIA, CA 907011716
EPA ID:	CAC003082817
Inactive Date:	12/08/2020
Create Date:	09/08/2020
Last Act Date:	12/09/2020
Mailing Name:	Not reported
Mailing Address:	536 1/2 N KENMORE AVENUE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900042902
Owner Name:	MR. JOSEPH GEZALIAN
Owner Address:	536 1/2 N KENMORE AVENUE
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900042902
Contact Name:	MR. JON DUTTON
Contact Address:	299 WEST HILLCREST DRIVE
Contact Address 2:	SUITE 220
City,State,Zip:	THOUSAND OAKS, CA 91360

NAICS:

EPA ID:	CAC003082817
Create Date:	2020-09-08 13:46:35.540
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2020-09-08 13:46:35.54000
Inactive Date:	2020-12-08 13:46:35.52300
Facility Name:	MR. JOSEPH GEZALIAN
Facility Address:	16604 PIONEER BOULEVARD
Facility Address 2:	Not reported
Facility City:	ARTESIA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	907011716

AB162 **UNITED OIL # 46** **LUST** **S108418339**
NNE **16516 PIONEER BLVD, S** **Cortese** **N/A**
1/4-1/2 **NORWALK, CA 90650** **CERS**
0.428 mi.
2258 ft. **Site 1 of 3 in cluster AB**

Relative:
Higher

Actual:
67 ft.

LUST:

Name:	UNITED OIL # 46
Address:	16516 PIONEER BLVD, S
City,State,Zip:	NORWALK, CA 90650
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603796520
Global Id:	T0603796520
Latitude:	33.880685
Longitude:	-118.082347
Status:	Completed - Case Closed
Status Date:	05/06/2013
Case Worker:	AJL
RB Case Number:	I-00305A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	000305
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603796520
Contact Type:	Local Agency Caseworker
Contact Name:	RANI IYER
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	riyer@dpw.lacounty.gov
Phone Number:	Not reported

Global Id:	T0603796520
Contact Type:	Regional Board Caseworker
Contact Name:	AHMAD J. LAMAA
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 West 4th Street Suite 200
City:	Los Angeles
Email:	alamaa@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603796520
Action Type:	Other
Date:	03/21/2002
Action:	Leak Reported

Global Id:	T0603796520
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply

Global Id:	T0603796520
Action Type:	ENFORCEMENT

UNITED OIL # 46 (Continued) **S108418339**

Date: 02/20/2013
Action: Notification - Preclosure

Global Id: T0603796520
Action Type: RESPONSE
Date: 08/15/2008
Action: Other Report / Document

Global Id: T0603796520
Action Type: RESPONSE
Date: 08/15/2008
Action: Other Report / Document

Global Id: T0603796520
Action Type: ENFORCEMENT
Date: 04/09/2008
Action: 13267 Requirement

Global Id: T0603796520
Action Type: ENFORCEMENT
Date: 06/20/2008
Action: 13267 Requirement

Global Id: T0603796520
Action Type: ENFORCEMENT
Date: 05/06/2013
Action: Closure/No Further Action Letter

Global Id: T0603796520
Action Type: Other
Date: 03/18/2002
Action: Leak Discovery

Global Id: T0603796520
Action Type: REMEDIATION
Date: 03/21/2002
Action: Not reported

LUST:
Global Id: T0603796520
Status: Open - Case Begin Date
Status Date: 03/18/2002

Global Id: T0603796520
Status: Open - Site Assessment
Status Date: 03/21/2002

Global Id: T0603796520
Status: Open - Eligible for Closure
Status Date: 12/18/2012

Global Id: T0603796520
Status: Completed - Case Closed
Status Date: 05/06/2013

UNITED OIL # 46 (Continued) **S108418339**

CORTESE:

Name:	UNITED OIL # 46
Address:	16516 PIONEER BLVD, S
City,State,Zip:	NORWALK, CA 90650
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603796520
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	UNITED OIL # 46
Address:	16516 PIONEER BLVD, S
City,State,Zip:	NORWALK, CA 90650
Site ID:	217021
CERS ID:	T0603796520
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	AHMAD J. LAMAA - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 West 4th Street Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	RANI IYER - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S. FREMONT AVE.
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

AB163 **TEXACO (FORMER)** **LUST** **S103634788**
NNE **16516 PIONEER** **HIST CORTESE** **N/A**
1/4-1/2 **NORWALK, CA 90650**
0.428 mi.
2258 ft. **Site 2 of 3 in cluster AB**

Relative:
Higher

Actual:
67 ft.

LUST:

Name:	TEXACO (FORMER)
Address:	16516 PIONEER BLVD
City,State,Zip:	NORWALK, CA 90650
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702701
Global Id:	T0603702701
Latitude:	33.8809592
Longitude:	-118.0823014
Status:	Completed - Case Closed
Status Date:	07/13/1999
Case Worker:	Not reported
RB Case Number:	I-00305
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603702701
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

LUST:

Global Id:	T0603702701
Action Type:	Other
Date:	03/14/1991
Action:	Leak Reported

Global Id:	T0603702701
Action Type:	Other
Date:	03/05/1991
Action:	Leak Discovery

LUST:

Global Id:	T0603702701
Status:	Open - Case Begin Date
Status Date:	03/05/1991

Global Id:	T0603702701
Status:	Open - Remediation
Status Date:	11/01/1994

Global Id:	T0603702701
Status:	Open - Remediation

TEXACO (FORMER) (Continued) **S103634788**

Status Date: 11/03/1994

Global Id: T0603702701
Status: Open - Site Assessment
Status Date: 06/11/1996

Global Id: T0603702701
Status: Completed - Case Closed
Status Date: 07/13/1999

HIST CORTESE:
edr_fname: TEXACO (FORMER)
edr_fadd1: 16516 PIONEER
City,State,Zip: NORWALK, CA 90650
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-00305

AB164 **TEXACO (FORMER)** **LUST** **S102438668**
NNE **16516 PIONEER BLVD** **Cortese** **N/A**
1/4-1/2 **NORWALK, CA 90650** **CERS**
0.428 mi.
2258 ft. **Site 3 of 3 in cluster AB**

Relative:
Higher

Actual:
67 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-00305	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603702701	
W Global ID:	Not reported	
Staff:	JLC	
Local Agency:	19000	
Cross Street:	166TH ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/5/1991	
Date Leak First Reported:		3/14/1991
Date Leak Record Entered:	5/7/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/13/2000
Date the Case was Closed:		7/13/1999
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	

TEXACO (FORMER) (Continued) **S102438668**

Approx. Dist To Production Well (ft):	937.532984217755426831376 9493
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	6/11/1996
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	11/3/1994
Remedial Action Underway:	11/1/1994
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	186
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	EQUIVA SERVICES, LLC
RP Address:	P.O. BOX 6249, CARSON, CA 90749-6249
Program:	LUST
Lat/Long:	33.8809428 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	07/08/98 - PETITION MEMO FROM DAD TO DD (CUF); 09/17/98 - 2ND QTR 1998 GW MON RPT; 4/13/99 1ST QTR GW MON RPT 1999; 5/27/99 2ND QTR GW MON RPT 1999; 9/13/00 WELL ABANDONMENT RPT

CORTESE:

Name:	TEXACO (FORMER)
Address:	16516 PIONEER BLVD
City,State,Zip:	NORWALK, CA 90650
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603702701
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

TEXACO (FORMER) (Continued) **S102438668**

CERS:
- Name: TEXACO (FORMER)
- Address: 16516 PIONEER BLVD
- City,State,Zip: NORWALK, CA 90650
- Site ID: 208990
- CERS ID: T0603702701
- CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
- Entity Title: Not reported
- Affiliation Address: 900 S FREMONT AVE
- Affiliation City: ALHAMBRA
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 6264583507

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165 **DEL TACO** **Notify 65** **S100178479**
North **15911 PIONEER BLVD.** **N/A**
1/2-1 **NORWALK, CA 90650**
0.859 mi.
4534 ft.

Relative:
Higher

Actual:
73 ft.

NOTIFY 65:
- Name: DEL TACO
- Address: 15911 PIONEER BLVD.
- City,State,Zip: NORWALK, CA 90650-7117
- Date Reported: Not reported
- Staff Initials: Not reported
- Board File Number: Not reported
- Facility Type: Not reported
- Discharge Date: Not reported
- Issue Date: Not reported
- Incident Description: Not reported
- Global ID: Not reported
- Status: Not reported

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/17/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/13/2021
Number of Days to Update: 88

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 08/19/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/13/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/13/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/17/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/24/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/04/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 84

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/22/2021
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 42

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/11/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/08/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85
Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/29/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 82
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 81
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 89

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/04/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 02/27/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/14/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 81

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 80

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 90

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

11709 ARTESIA BOULEVARD
11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

TARGET PROPERTY COORDINATES

Latitude (North):	33.874031 - 33ˆ 52’ 26.51’’
Longitude (West):	118.084478 - 118ˆ 5’ 4.12’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	399698.7
UTM Y (Meters):	3748524.0
Elevation:	64 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11997954 LOS ALAMITOS, CA
Version Date:	2018
North Map:	11997982 WHITTIER, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

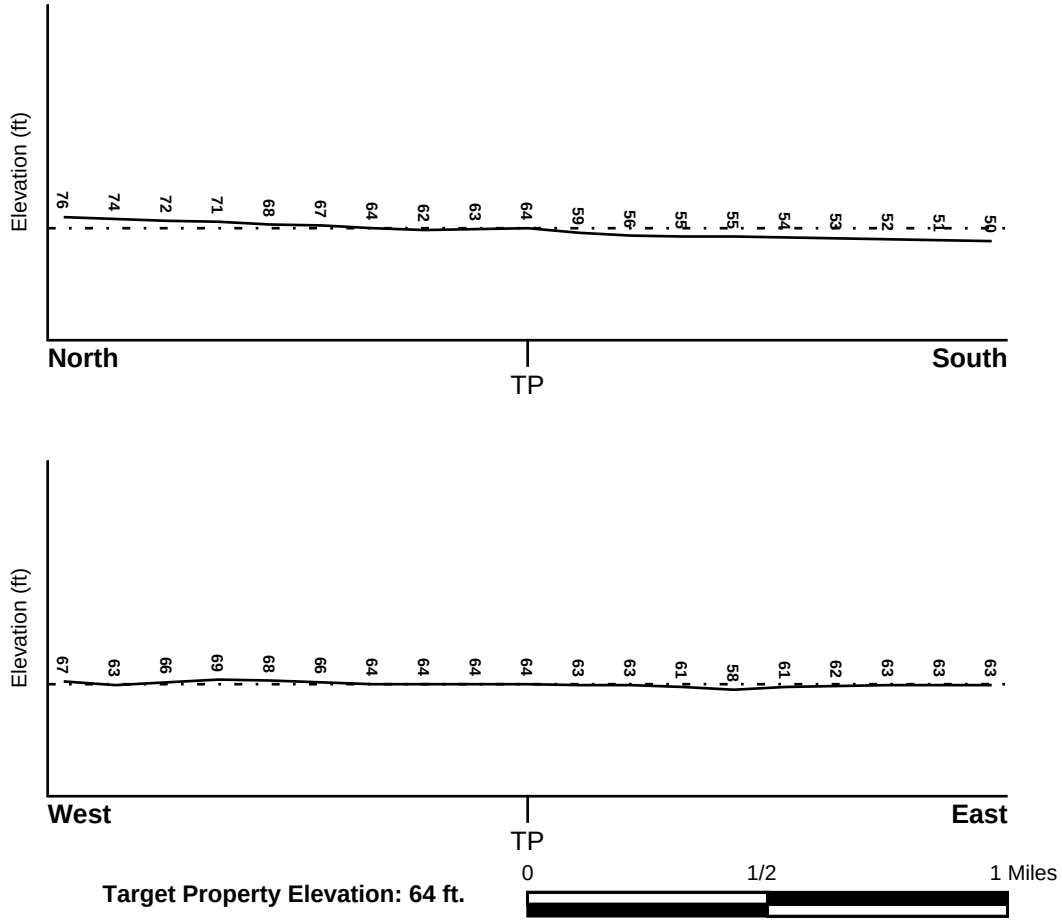
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1980F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1840F	FEMA FIRM Flood data
06037C1839F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ALAMITOS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A1	0 - 1/8 Mile South	NW
A2	0 - 1/8 Mile SE	Not Reported
22	1/8 - 1/4 Mile NE	W
23	1/8 - 1/4 Mile WNW	W
E27	1/4 - 1/2 Mile NNE	N
33	1/4 - 1/2 Mile SSE	E
G36	1/4 - 1/2 Mile SE	Varies

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
G37	1/4 - 1/2 Mile SE	Varies
H73	1/4 - 1/2 Mile NNE	Not Reported
P98	1/2 - 1 Mile East	SW
1G	1/4 - 1/2 Mile NNE	Not Reported
2G	1/4 - 1/2 Mile NNE	N
3G	1/8 - 1/4 Mile NE	W
4G	1/8 - 1/4 Mile WNW	W
6G	1/2 - 1 Mile East	SW
7G	0 - 1/8 Mile SE	Not Reported
8G	0 - 1/8 Mile South	NW
9G	1/4 - 1/2 Mile SE	Varies
10G	1/4 - 1/2 Mile SE	Varies
11G	1/4 - 1/2 Mile SSE	E

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1.000 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C16	USGS40000138710	1/8 - 1/4 Mile SW
24	USGS40000138699	1/4 - 1/2 Mile SSW
35	USGS40000138700	1/4 - 1/2 Mile SE
J83	USGS40000138719	1/4 - 1/2 Mile East
N91	USGS40000138765	1/2 - 1 Mile SSE
99	USGS40000138701	1/2 - 1 Mile WSW
W154	USGS40000138779	1/2 - 1 Mile NW
AA160	USGS40000138760	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
97	CA1909007	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B4	CAEDF0000139303	1/8 - 1/4 Mile ENE
B5	CAEDF0000022157	1/8 - 1/4 Mile ENE
B6	CAEDF0000136667	1/8 - 1/4 Mile ENE
C7	CADDW0000015542	1/8 - 1/4 Mile SSW
B8	CAEDF0000008414	1/8 - 1/4 Mile ENE
B9	CAEDF0000080630	1/8 - 1/4 Mile East
B10	CAEDF0000121958	1/8 - 1/4 Mile ENE
B11	CAEDF0000088394	1/8 - 1/4 Mile ENE
D12	CAEDF0000071843	1/8 - 1/4 Mile ESE
D13	CAEDF0000067974	1/8 - 1/4 Mile SE
D14	CAEDF0000069900	1/8 - 1/4 Mile ESE
B15	CAEDF0000111073	1/8 - 1/4 Mile ENE
D17	CAEDF0000001917	1/8 - 1/4 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D18	CAEDF0000108512	1/8 - 1/4 Mile SE
C19	CADDW0000019995	1/8 - 1/4 Mile SW
D20	CAEDF0000043351	1/8 - 1/4 Mile SE
21	3897	1/8 - 1/4 Mile ENE
E25	CAEDF0000103658	1/4 - 1/2 Mile NNE
E26	CAEDF0000119510	1/4 - 1/2 Mile NNE
E28	CAEDF0000014476	1/4 - 1/2 Mile NNE
E29	CAEDF0000084421	1/4 - 1/2 Mile NNE
F30	CAEDF0000072820	1/4 - 1/2 Mile NNE
E31	CAEDF0000074413	1/4 - 1/2 Mile NNE
32	5338	1/4 - 1/2 Mile North
E34	CAEDF0000094703	1/4 - 1/2 Mile NNE
F38	CAEDF0000000165	1/4 - 1/2 Mile NNE
F39	CAEDF0000060369	1/4 - 1/2 Mile NNE
H40	CAEDF0000019395	1/4 - 1/2 Mile NNE
F41	CAEDF0000062945	1/4 - 1/2 Mile NNE
H42	CAEDF0000073847	1/4 - 1/2 Mile NNE
F43	CAEDF0000056145	1/4 - 1/2 Mile NNE
H44	CAEDF0000085727	1/4 - 1/2 Mile NNE
45	CADWR0000015842	1/4 - 1/2 Mile North
H46	CAEDF0000124057	1/4 - 1/2 Mile NNE
H47	CAEDF0000053722	1/4 - 1/2 Mile NNE
H48	CAEDF0000104349	1/4 - 1/2 Mile NNE
H49	CAEDF0000098170	1/4 - 1/2 Mile NNE
H50	CAEDF0000006174	1/4 - 1/2 Mile NNE
H51	CAEDF0000106559	1/4 - 1/2 Mile NNE
H52	CAEDF0000040795	1/4 - 1/2 Mile NNE
H53	CAEDF0000123431	1/4 - 1/2 Mile NNE
H54	CAEDF0000052809	1/4 - 1/2 Mile NNE
H55	CAEDF0000071878	1/4 - 1/2 Mile NNE
H56	CAEDF0000010725	1/4 - 1/2 Mile NNE
H57	CAEDF0000139939	1/4 - 1/2 Mile NNE
H58	CAEDF0000087205	1/4 - 1/2 Mile NNE
H59	CAEDF0000082145	1/4 - 1/2 Mile NNE
H60	CAEDF0000062618	1/4 - 1/2 Mile NNE
H61	CAEDF0000107446	1/4 - 1/2 Mile NNE
H62	CAEDF0000141643	1/4 - 1/2 Mile NNE
H63	CAEDF0000096638	1/4 - 1/2 Mile NNE
H64	CAEDF0000039305	1/4 - 1/2 Mile NNE
I65	CAEDF0000123775	1/4 - 1/2 Mile NNE
H66	CAEDF0000088823	1/4 - 1/2 Mile NNE
H67	CAEDF0000089589	1/4 - 1/2 Mile NNE
H68	CAEDF0000090015	1/4 - 1/2 Mile NNE
H69	CAEDF0000016266	1/4 - 1/2 Mile NNE
H70	CAEDF0000125857	1/4 - 1/2 Mile NNE
H71	CAEDF0000009675	1/4 - 1/2 Mile NNE
72	CADWR0000024515	1/4 - 1/2 Mile NNW
H74	CAEDF0000105883	1/4 - 1/2 Mile NNE
H75	CAEDF0000053561	1/4 - 1/2 Mile NNE
H76	CAEDF0000012159	1/4 - 1/2 Mile NNE
H77	CAEDF0000058981	1/4 - 1/2 Mile NNE
J78	CADDW0000001136	1/4 - 1/2 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H79	CAEDF0000063643	1/4 - 1/2 Mile NNE
K80	CADWR0000036544	1/4 - 1/2 Mile WNW
K81	CADWR0000027833	1/4 - 1/2 Mile WNW
H82	CAEDF0000065153	1/4 - 1/2 Mile NNE
I84	CAEDF0000095038	1/4 - 1/2 Mile NNE
L85	3896	1/2 - 1 Mile South
L86	4032	1/2 - 1 Mile South
L87	4078	1/2 - 1 Mile South
M88	CADWR0000024552	1/2 - 1 Mile NE
M89	CADWR0000032099	1/2 - 1 Mile NE
L90	CADDW0000004803	1/2 - 1 Mile South
N92	CADDW0000017225	1/2 - 1 Mile SSE
93	CADWR0000005542	1/2 - 1 Mile SW
94	CADWR0000037387	1/2 - 1 Mile ENE
O95	CADWR0000026811	1/2 - 1 Mile NW
O96	CADWR0000029737	1/2 - 1 Mile NW
P100	CAEDF0000122436	1/2 - 1 Mile East
P101	CAEDF0000036148	1/2 - 1 Mile East
Q102	4028	1/2 - 1 Mile North
Q103	CADWR0000010194	1/2 - 1 Mile North
Q104	CAEDF0000063219	1/2 - 1 Mile North
P105	CAEDF0000062961	1/2 - 1 Mile East
P106	CAEDF0000056650	1/2 - 1 Mile East
P107	CAEDF0000112004	1/2 - 1 Mile East
P108	CAEDF0000136197	1/2 - 1 Mile East
Q109	CAEDF0000049339	1/2 - 1 Mile North
P110	CAEDF0000083210	1/2 - 1 Mile East
P111	CAEDF0000088047	1/2 - 1 Mile East
P112	CAEDF0000130097	1/2 - 1 Mile East
P113	CAEDF0000088851	1/2 - 1 Mile East
P114	CAEDF0000084367	1/2 - 1 Mile East
P115	CAEDF0000093395	1/2 - 1 Mile East
P116	CAEDF0000051611	1/2 - 1 Mile East
P117	CAEDF0000123903	1/2 - 1 Mile East
P118	CAEDF0000023193	1/2 - 1 Mile East
P119	CAEDF0000074338	1/2 - 1 Mile East
Q120	CAEDF0000107479	1/2 - 1 Mile North
Q121	CAEDF0000081583	1/2 - 1 Mile North
Q122	CAEDF0000090103	1/2 - 1 Mile North
P123	CAEDF0000066591	1/2 - 1 Mile East
P124	CAEDF0000112572	1/2 - 1 Mile East
125	CADWR0000018645	1/2 - 1 Mile SSE
Q126	CAEDF0000046398	1/2 - 1 Mile North
P127	CAEDF0000140579	1/2 - 1 Mile East
P128	CAEDF0000110448	1/2 - 1 Mile East
P129	CAEDF0000118281	1/2 - 1 Mile East
R130	CAEDF0000118703	1/2 - 1 Mile ENE
R131	CAEDF0000044432	1/2 - 1 Mile ENE
R132	CAEDF0000031292	1/2 - 1 Mile ENE
R133	CAEDF0000127736	1/2 - 1 Mile ENE
R134	CAEDF0000076728	1/2 - 1 Mile ENE
R135	CAEDF0000062052	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

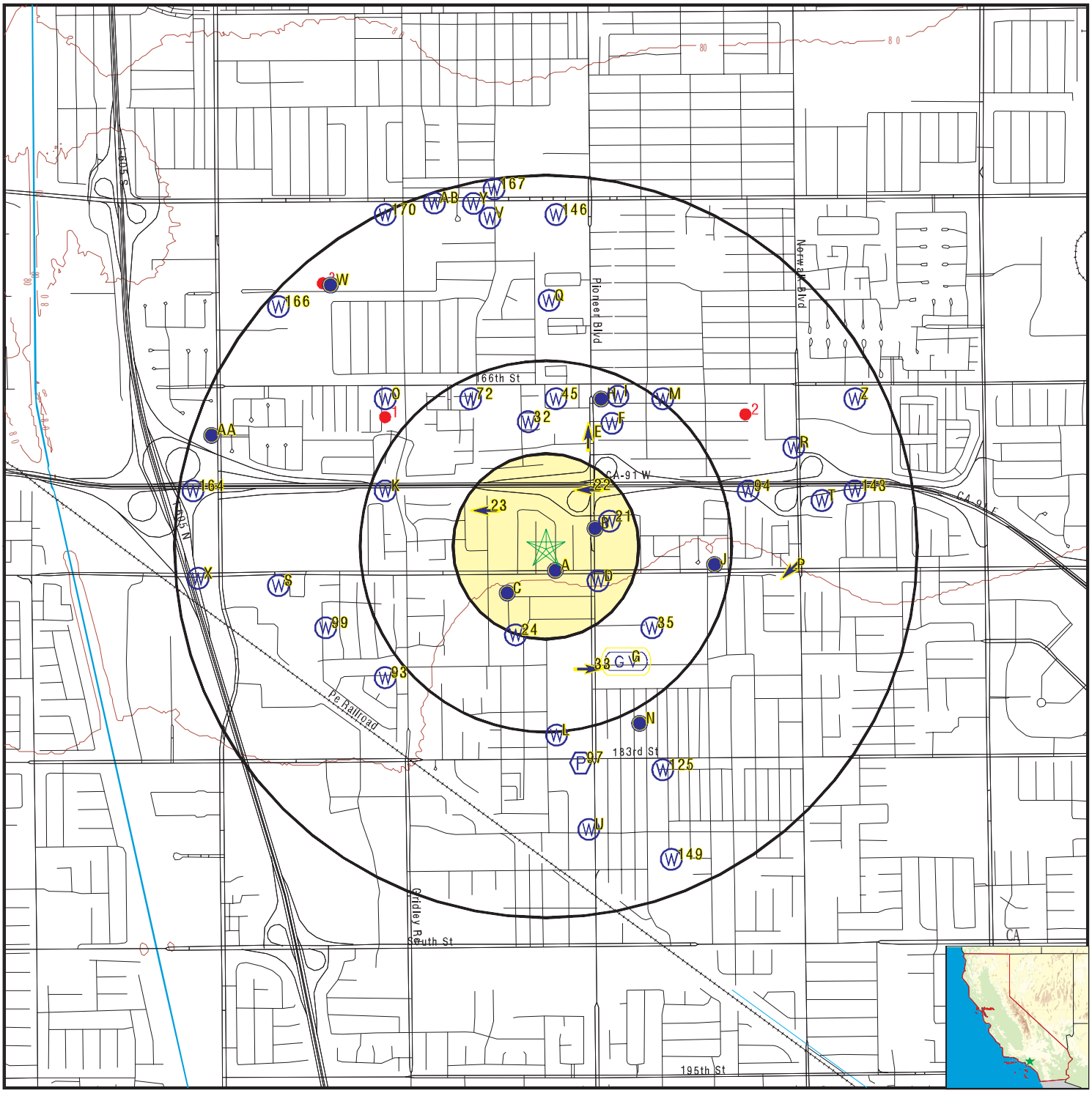
MAP ID	WELL ID	LOCATION FROM TP
S136	CADWR0000011500	1/2 - 1 Mile West
S137	CADWR0000020277	1/2 - 1 Mile West
T138	2774	1/2 - 1 Mile East
U139	CAEDF0000084208	1/2 - 1 Mile South
U140	CAEDF0000076374	1/2 - 1 Mile South
U141	CAEDF0000065176	1/2 - 1 Mile South
T142	CADDW0000019558	1/2 - 1 Mile East
143	CADWR0000009996	1/2 - 1 Mile East
V144	CAEDF0000093126	1/2 - 1 Mile North
V145	CAEDF0000096220	1/2 - 1 Mile North
146	CADWR0000019090	1/2 - 1 Mile North
V147	CAEDF0000105100	1/2 - 1 Mile NNW
V148	CAEDF0000047397	1/2 - 1 Mile North
149	CADDW0000001760	1/2 - 1 Mile SSE
W150	CAUSGSN00004306	1/2 - 1 Mile NW
W151	4026	1/2 - 1 Mile NW
X152	4027	1/2 - 1 Mile West
Y153	CADWR0000026975	1/2 - 1 Mile NNW
V155	CAEDF0000069027	1/2 - 1 Mile North
Z156	CADWR0000010015	1/2 - 1 Mile ENE
Z157	CADWR0000006743	1/2 - 1 Mile ENE
V158	CAEDF0000060075	1/2 - 1 Mile North
Y159	CAEDF0000013711	1/2 - 1 Mile North
AA161	CADDW0000000609	1/2 - 1 Mile WNW
X162	CADWR0000018692	1/2 - 1 Mile West
X163	CADWR0000001482	1/2 - 1 Mile West
164	CADWR0000002962	1/2 - 1 Mile West
AB165	CAEDF0000094143	1/2 - 1 Mile NNW
166	CADWR0000022154	1/2 - 1 Mile NW
167	CAEDF0000121986	1/2 - 1 Mile North
AB168	CAEDF0000000812	1/2 - 1 Mile NNW
Y169	CAEDF0000095227	1/2 - 1 Mile NNW
170	CADWR0000017592	1/2 - 1 Mile NNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000005332	1/2 - 1 Mile NW
2	CAOG14000005261	1/2 - 1 Mile ENE
3	CAOG14000005698	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 6777008.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	11709 Artesia Boulevard	CLIENT:	Ramboll
ADDRESS:	11709 Artesia Boulevard Artesia CA 90701	CONTACT:	Cara Thomann
		INQUIRY #:	6777008.2s
LAT/LONG:	33.874031 / 118.084478	DATE:	December 06, 2021 5:18 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
A1 **South** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-01249 NW 14 16 Not Reported 02/07/1997	**AQUIFLOW**	**34312**
A2 **SE** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-11487 Not Reported 18 36.5 Not Reported 12/11/1989	**AQUIFLOW**	**34315**
B3 **East** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-02242 Not Reported 15.25 16.09 Not Reported 11/21/1988	**AQUIFLOW**	**34323**

B4
ENE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000139303**

Well ID:	T0603702870-MW08	Well Type:	MONITORING
Source:	EDF	Other Name:	MW08
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW08&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW08		

B5
ENE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000022157**

Well ID:	T0603702870-MW07	Well Type:	MONITORING
Source:	EDF	Other Name:	MW07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW07		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B6
ENE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000136667**

Well ID:	T0603702870-MW04A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW04A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW04A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW04A		

C7
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADDW0000015542**

Well ID:	1910004-030	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	ROSETON WELL 02	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910004-030&store_num=		
GeoTracker Data:	Not Reported		

B8
ENE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000008414**

Well ID:	T0603702870-MW01A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW01A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW01A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW01A		

B9
East
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000080630**

Well ID:	T0603702870-MW06	Well Type:	MONITORING
Source:	EDF	Other Name:	MW06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW06		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B10
ENE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000121958**

Well ID:	T0603702870-MW02	Well Type:	MONITORING
Source:	EDF	Other Name:	MW02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW02		

B11
ENE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000088394**

Well ID:	T0603702870-MW03	Well Type:	MONITORING
Source:	EDF	Other Name:	MW03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW03		

D12
ESE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000071843**

Well ID:	T0603705214-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705214&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705214&assigned_name=MW-6		

D13
SE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000067974**

Well ID:	T0603705214-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705214&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705214&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D14
ESE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000069900**

Well ID:	T0603705214-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705214&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705214&assigned_name=MW-2		

B15
ENE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000111073**

Well ID:	T0603702870-MW05	Well Type:	MONITORING
Source:	EDF	Other Name:	MW05
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702870&assigned_name=MW05&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702870&assigned_name=MW05		

C16
SW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000138710**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S012W36B001	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19540129	Well Depth:	1026
Well Depth Units:	ft	Well Hole Depth:	1026
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1954-01-29
Feet below surface:	77	Feet to sea level:	Not Reported
Note:	Not Reported		

D17
ESE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000001917**

Well ID:	T0603705214-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705214&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705214&assigned_name=MW-3

D18
SE **CA WELLS** **CAEDF0000108512**
1/8 - 1/4 Mile
Lower

Well ID: T0603705214-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705214&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705214&assigned_name=MW-5

C19
SW **CA WELLS** **CADDW0000019995**
1/8 - 1/4 Mile
Lower

Well ID: 1910004-015 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: ROSETON WELL 01 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910004-015&store_num=
GeoTracker Data: Not Reported

D20
SE **CA WELLS** **CAEDF0000043351**
1/8 - 1/4 Mile
Lower

Well ID: T0603705214-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705214&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705214&assigned_name=MW-4

21
ENE **CA WELLS** **3897**
1/8 - 1/4 Mile
Lower

Seq: 3897 Prim sta c: 03S/11W-30N02 S
Frds no: 1900526001 County: 19
District: 49 User id: 19C
System no: 1900526 Water type: G
Source nam: WELL 01 Station ty: WELL/AMBNT/MUN/INTAKE

Latitude:	335230.0	Longitude:	1180450.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1900526	System nam:	Artesia Ice Service
Hqname:	Not Reported	Address:	17119 S. CLARKDALE
City:	ARTESIA	State:	CA
Zip:	90701	Zip ext:	Not Reported
Pop serv:	26	Connection:	1
Area serve:	Not Reported		

22
NE
1/8 - 1/4 Mile
Lower

AQUIFLOW **34310**

Site ID:	I-02871
Groundwater Flow:	W
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	11.59
Date:	12/18/1998

23
WNW
1/8 - 1/4 Mile
Lower

AQUIFLOW **34326**

Site ID:	I-11805
Groundwater Flow:	W
Shallow Water Depth:	16.14
Deep Water Depth:	16.69
Average Water Depth:	Not Reported
Date:	11/12/1996

24
SSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138699**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S012W25J001S	Type:	Well
Description:	Not Reported	HUC:	18070106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	912
Well Depth Units:	ft	Well Hole Depth:	998
Well Hole Depth Units:	ft		

E25
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000103658**

Well ID:	T0603704541-MW-01	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704541&assigned_name=MW-01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704541&assigned_name=MW-01		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E26
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000119510**

Well ID:	T0603704541-MW-03	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704541&assigned_name=MW-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704541&assigned_name=MW-03		

E27
NNE
1/4 - 1/2 Mile
Higher

AQUIFLOW **34325**

Site ID:	I-02660
Groundwater Flow:	N
Shallow Water Depth:	10.98
Deep Water Depth:	23.75
Average Water Depth:	Not Reported
Date:	08/03/1998

E28
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000014476**

Well ID:	T0603750351-MW15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW15		

E29
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000084421**

Well ID:	T0603704541-MW-04	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-04
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704541&assigned_name=MW-04&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704541&assigned_name=MW-04		

F30
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000072820**

Well ID:	T0603750351-MW16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW16

GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW16&store_num=
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW16

E31
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000074413**

Well ID:	T0603704541-MW-02	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704541&assigned_name=MW-02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704541&assigned_name=MW-02		

32
North
1/4 - 1/2 Mile
Higher

CA WELLS **5338**

Seq:	5338	Prim sta c:	04S/12W-25J01 S
Frds no:	1909998001	County:	19
District:	49	User id:	19C
System no:	1909998	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335244.0	Longitude:	1180504.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	1909998	System nam:	John Niemes Elementary School
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

33
SSE
1/4 - 1/2 Mile
Lower

AQUIFLOW **34317**

Site ID:	907010061
Groundwater Flow:	E
Shallow Water Depth:	11
Deep Water Depth:	20
Average Water Depth:	Not Reported
Date:	03/1987

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E34
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000094703**

Well ID:	T0603704070-W23	Well Type:	MONITORING
Source:	EDF	Other Name:	W23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W23		

35
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138700**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S011W30M001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

G36
SE
1/4 - 1/2 Mile
Lower

AQUIFLOW **38057**

Site ID:	R-11981
Groundwater Flow:	Varies
Shallow Water Depth:	9.04
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	11/24/1998

G37
SE
1/4 - 1/2 Mile
Lower

AQUIFLOW **38058**

Site ID:	R-11981
Groundwater Flow:	Varies
Shallow Water Depth:	8.98
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	11/24/1998

F38
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000000165**

Well ID:	T0603750351-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW9&store_num=		

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW9

F39
NNE **CA WELLS** **CAEDF0000060369**
1/4 - 1/2 Mile
Higher

Well ID:	T0603750351-MW14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW14		

H40
NNE **CA WELLS** **CAEDF0000019395**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W7	Well Type:	MONITORING
Source:	EDF	Other Name:	W7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W7		

F41
NNE **CA WELLS** **CAEDF0000062945**
1/4 - 1/2 Mile
Higher

Well ID:	T0603750351-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW8		

H42
NNE **CA WELLS** **CAEDF0000073847**
1/4 - 1/2 Mile
Higher

Well ID:	T0603750351-MW11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F43
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000056145**

Well ID:	T0603750351-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW7		

H44
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000085727**

Well ID:	T0603750351-MW10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW10		

45
North
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000015842**

Well ID:	03S12W25J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25J001S&store_num=		
GeoTracker Data:	Not Reported		

H46
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000124057**

Well ID:	T0603704070-W19	Well Type:	MONITORING
Source:	EDF	Other Name:	W19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H47
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000053722**

Well ID:	T0603750351-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW6		

H48
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104349**

Well ID:	T0603704070-W20	Well Type:	MONITORING
Source:	EDF	Other Name:	W20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W20		

H49
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000098170**

Well ID:	T0603750351-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW4		

H50
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000006174**

Well ID:	T0603704070-W18	Well Type:	MONITORING
Source:	EDF	Other Name:	W18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W18		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H51
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000106559**

Well ID:	T0603750351-MW12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW12		

H52
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000040795**

Well ID:	T0603750351-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW5		

H53
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123431**

Well ID:	T0603704070-W8	Well Type:	MONITORING
Source:	EDF	Other Name:	W8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W8		

H54
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000052809**

Well ID:	T0603750351-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H55
NNE **CA WELLS** **CAEDF0000071878**
1/4 - 1/2 Mile
Higher

Well ID:	T0603750351-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW2		

H56
NNE **CA WELLS** **CAEDF0000010725**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W22	Well Type:	MONITORING
Source:	EDF	Other Name:	W22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W22		

H57
NNE **CA WELLS** **CAEDF0000139939**
1/4 - 1/2 Mile
Higher

Well ID:	T0603750351-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW3		

H58
NNE **CA WELLS** **CAEDF0000087205**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W5	Well Type:	MONITORING
Source:	EDF	Other Name:	W5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H59
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000082145**

Well ID:	T0603704070-W3	Well Type:	MONITORING
Source:	EDF	Other Name:	W3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W3		

H60
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000062618**

Well ID:	T0603704070-W24	Well Type:	MONITORING
Source:	EDF	Other Name:	W24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W24		

H61
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000107446**

Well ID:	T0603750351-MW13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603750351&assigned_name=MW13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603750351&assigned_name=MW13		

H62
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000141643**

Well ID:	T0603704070-W16	Well Type:	MONITORING
Source:	EDF	Other Name:	W16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W16		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H63
NNE **CA WELLS** **CAEDF0000096638**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-RW1	Well Type:	MONITORING
Source:	EDF	Other Name:	RW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=RW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=RW1		

H64
NNE **CA WELLS** **CAEDF0000039305**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W10	Well Type:	MONITORING
Source:	EDF	Other Name:	W10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W10		

I65
NNE **CA WELLS** **CAEDF0000123775**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W26	Well Type:	MONITORING
Source:	EDF	Other Name:	W26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W26		

H66
NNE **CA WELLS** **CAEDF0000088823**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W4	Well Type:	MONITORING
Source:	EDF	Other Name:	W4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H67
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000089589**

Well ID:	T0603704070-W9	Well Type:	MONITORING
Source:	EDF	Other Name:	W9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W9		

H68
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000090015**

Well ID:	T0603704070-W1	Well Type:	MONITORING
Source:	EDF	Other Name:	W1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W1		

H69
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000016266**

Well ID:	T0603704070-W15	Well Type:	MONITORING
Source:	EDF	Other Name:	W15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W15		

H70
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000125857**

Well ID:	T0603704070-RW2	Well Type:	MONITORING
Source:	EDF	Other Name:	RW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=RW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=RW2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H71
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000009675**

Well ID:	T0603704070-RW4	Well Type:	MONITORING
Source:	EDF	Other Name:	RW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=RW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=RW4		

72
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000024515**

Well ID:	03S12W25K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25K001S&store_num=		
GeoTracker Data:	Not Reported		

H73
NNE
1/4 - 1/2 Mile
Higher

AQUIFLOW **34330**

Site ID:	I-13467
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	23
Date:	02/17/1988

H74
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000105883**

Well ID:	T0603704070-W12	Well Type:	MONITORING
Source:	EDF	Other Name:	W12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W12		

H75
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000053561**

Well ID:	T0603704070-W2	Well Type:	MONITORING
Source:	EDF	Other Name:	W2
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W2

H76
NNE **CA WELLS** **CAEDF0000012159**
1/4 - 1/2 Mile
Higher

Well ID: T0603704070-RW3 Well Type: MONITORING
Source: EDF Other Name: RW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=RW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=RW3

H77
NNE **CA WELLS** **CAEDF0000058981**
1/4 - 1/2 Mile
Higher

Well ID: T0603704070-W14 Well Type: MONITORING
Source: EDF Other Name: W14
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W14&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W14

J78
East **CA WELLS** **CADDW0000001136**
1/4 - 1/2 Mile
Lower

Well ID: 1910004-008 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: ELAINE WELL 01 - DESTROYED
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910004-008&store_num=
GeoTracker Data: Not Reported

H79
NNE **CA WELLS** **CAEDF0000063643**
1/4 - 1/2 Mile
Higher

Well ID: T0603704070-W11 Well Type: MONITORING
Source: EDF Other Name: W11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W11&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W11

K80
WNW **CA WELLS** **CADWR0000036544**
1/4 - 1/2 Mile
Higher

Well ID:	03S12W25P002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25P002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25P002S&store_num=		
GeoTracker Data:	Not Reported		

K81
WNW **CA WELLS** **CADWR0000027833**
1/4 - 1/2 Mile
Higher

Well ID:	03S12W25P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25P001S&store_num=		
GeoTracker Data:	Not Reported		

H82
NNE **CA WELLS** **CAEDF0000065153**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W13	Well Type:	MONITORING
Source:	EDF	Other Name:	W13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W13		

J83
East **FED USGS** **USGS40000138719**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S011W30P002S	Type:	Well
Description:	Not Reported	HUC:	18070106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1214

Well Depth Units:	ft	Well Hole Depth:	1214
Well Hole Depth Units:	ft		

I84
NNE **CA WELLS** **CAEDF0000095038**
1/4 - 1/2 Mile
Higher

Well ID:	T0603704070-W25	Well Type:	MONITORING
Source:	EDF	Other Name:	W25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704070&assigned_name=W25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704070&assigned_name=W25		

L85
South **CA WELLS** **3896**
1/2 - 1 Mile
Lower

Seq:	3896	Prim sta c:	03S/11W-30M01 S
Frds no:	1910192002	County:	19
District:	07	User id:	4TH
System no:	1910192	Water type:	G
Source nam:	CLARKSDALE - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335200.0	Longitude:	1180500.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910192	System nam:	County Wc - Norwalk
Hqname:	COUNTY WATER COMPANY	Address:	11829 E 163RD ST
City:	NORWALK	State:	Not Reported
Zip:	90650	Zip ext:	Not Reported
Pop serv:	6500	Connection:	1628
Area serve:	NORWALK, NO ART SYS		

L86
South **CA WELLS** **4032**
1/2 - 1 Mile
Lower

Seq:	4032	Prim sta c:	03S/12W-25R02 S
Frds no:	1910004012	County:	19
District:	15	User id:	MET
System no:	1910004	Water type:	G
Source nam:	MAIDSTONE WELL 01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335200.0	Longitude:	1180500.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910004	System nam:	Scwc - Artesia
Hqname:	SOUTHERN CALIF WATER CO	Address:	12035 BURKE ST., STE 1
City:	SANTA FE SPRINGS	State:	CA
Zip:	90670	Zip ext:	Not Reported
Pop serv:	35731	Connection:	10206
Area serve:	Not Reported		

L87
South
1/2 - 1 Mile
Lower

CA WELLS 4078

Seq:	4078	Prim sta c:	03S/12W-36B01 S
Frds no:	1910004015	County:	19
District:	15	User id:	MET
System no:	1910004	Water type:	G
Source nam:	ROSETON WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335200.0	Longitude:	1180500.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910004	System nam:	Scwc - Artesia
Hqname:	SOUTHERN CALIF WATER CO	Address:	12035 BURKE ST., STE 1
City:	SANTA FE SPRINGS	State:	CA
Zip:	90670	Zip ext:	Not Reported
Pop serv:	35731	Connection:	10206
Area serve:	Not Reported		

Sample date:	05-FEB-18	Finding:	85.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	05-FEB-18	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		

Sample date:	05-FEB-18	Finding:	3400.
Chemical:	CARBON DIOXIDE	Report units:	UG/L
Dlr:	0.		

Sample date:	05-FEB-18	Finding:	1.3
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		

Sample date:	05-FEB-18	Finding:	430.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	05-FEB-18	Finding:	0.61
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-FEB-18	Finding:	0.79
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-FEB-18	Finding:	0.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	05-FEB-18	Finding:	670.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	2.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-FEB-18	Finding:	270.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	2.2
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-FEB-18	Finding:	14.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	29.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	3.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	45.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-18	Finding:	88.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	0.37
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	05-FEB-18	Finding:	2.4
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	05-FEB-18	Finding:	150.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	09-MAY-17	Finding:	0.57
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-MAY-17	Finding:	0.77
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-MAY-17	Finding:	0.63
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-FEB-17	Finding:	3.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	08-FEB-17	Finding:	2.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-MAY-16	Finding:	0.56
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-MAY-16	Finding:	0.51
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	2.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-FEB-16	Finding:	1.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-15	Finding:	3.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-FEB-15	Finding:	660.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	7.84
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	220.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	240.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	02-FEB-15	Finding:	76.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	25.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	3.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	41.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	76.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-FEB-15	Finding:	0.33
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	02-FEB-15	Finding:	2.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	02-FEB-15	Finding:	160.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	02-FEB-15	Finding:	24.
Chemical:	NICKEL	Report units:	UG/L
Dlr:	10.		
Sample date:	02-FEB-15	Finding:	410.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	0.56
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	9.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	02-FEB-15	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	2200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	02-FEB-15	Finding:	1.48
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	1.56
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	03-DEC-14	Finding:	1.2
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	04-NOV-14	Finding:	3.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-AUG-14	Finding:	2.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-MAY-14	Finding:	2.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-MAY-14	Finding:	0.59
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-14	Finding:	2.9
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-FEB-14	Finding:	0.53
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-14	Finding:	0.59
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-14	Finding:	0.71
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-14	Finding:	9.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-NOV-13	Finding:	0.55
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAY-13	Finding:	0.52
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAY-13	Finding:	0.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAY-13	Finding:	0.52
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	12-FEB-13	Finding:	9.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	12-FEB-13	Finding:	0.77
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-12	Finding:	0.56
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-AUG-12	Finding:	0.62
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-AUG-12	Finding:	0.79
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-AUG-12	Finding:	0.61
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-MAY-12	Finding:	67.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-MAY-12	Finding:	0.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-MAR-12	Finding:	3.3
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	410.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	0.69
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-MAR-12	Finding:	38.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	13-MAR-12	Finding:	190.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	13-MAR-12	Finding:	5.7
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	13-MAR-12	Finding:	0.55
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	13-MAR-12	Finding:	92.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	13-MAR-12	Finding:	45.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	2100.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-MAR-12	Finding:	25.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	11.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	75.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	230.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	170.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	8.14
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	910.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-MAR-12	Finding:	9.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	01-FEB-12	Finding:	0.55
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

M88
NE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000024552**

Well ID:	03S11W30M001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S11W30M001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W30M001S&store_num=		

GeoTracker Data: Not Reported

M89
NE **CA WELLS** **CADWR0000032099**
1/2 - 1 Mile
Higher

Well ID:	03S11W30M003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S11W30M003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W30M003S&store_num=		
GeoTracker Data:	Not Reported		

L90
South **CA WELLS** **CADDW0000004803**
1/2 - 1 Mile
Lower

Well ID:	1910004-012	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	MAIDSTONE WELL 01 - DESTROYED		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910004-012&store_num=		
GeoTracker Data:	Not Reported		

N91
SSE **FED USGS** **USGS40000138765**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S011W31M003S	Type:	Well
Description:	Not Reported	HUC:	18070106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	549
Well Depth Units:	ft	Well Hole Depth:	600
Well Hole Depth Units:	ft		

N92
SSE **CA WELLS** **CADDW0000017225**
1/2 - 1 Mile
Lower

Well ID:	1910004-016	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	VINE WELL 02 - DESTROYED	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910004-016&store_num=		

GeoTracker Data: Not Reported

93
SW **CA WELLS** **CADWR0000005542**
1/2 - 1 Mile
Lower

Well ID: 03S12W36F001S Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W36F001S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W36F001S&store_num=
GeoTracker Data: Not Reported

94
ENE **CA WELLS** **CADWR0000037387**
1/2 - 1 Mile
Lower

Well ID: 03S11W30P002S Well Type: UNK
Source: Department of Water Resources
Other Name: 03S11W30P002S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W30P002S&store_num=
GeoTracker Data: Not Reported

O95
NW **CA WELLS** **CADWR0000026811**
1/2 - 1 Mile
Higher

Well ID: 03S12W25L001S Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W25L001S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25L001S&store_num=
GeoTracker Data: Not Reported

O96
NW **CA WELLS** **CADWR0000029737**
1/2 - 1 Mile
Higher

Well ID: 03S12W25L002S Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W25L002S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25L002S&store_num=
GeoTracker Data: Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

97
South
1/2 - 1 Mile
Lower

FRDS PWS **CA1909007**

Epa region:	09	State:	CA
Pwsid:	CA1909007		
Pwsname:	OUR LADY OF FATIMA SCHOOL - HOLY FAMILY		
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06037
Status:	Active	Retpopsrvd:	300
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	HOPE VEGA	Contactorgname:	CA1909007-OUR LADY OF FATIMA S
Contactphone:	5628652185	Contactaddress1:	18708 S CLARKDALE AVE
Contactaddress2:	Not Reported	Contactcity:	ARTESIA
Contactstate:	CA	Contactzip:	90701
Pwsactivitycode:	A		

PWS ID:	CA1909007	PWS type:	System Owner/Responsible Party
PWS name:	OUT LADY OF FATIMA SCHOOL	PWS address:	Not Reported
PWS city:	ARTESIA	PWS state:	CA
PWS zip:	90701		
PWS name:	OUR LADY OF FATIMA SCHOOL - Holy Family		
PWS type code:	NTNC	Retail population served:	300
Contact:	Hope Vega	Contact address:	18708 S Clarkdale Ave
Contact address:	ARTESIA	Contact city:	CA
Contact state:	90	Contact zip:	5628652185
Contact telephone:	Not Reported		

PWS ID:	CA1909007	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000300	System name:	OUR LADY OF FATIMA SCHOOL
System address:	OUT LADY OF FATIMA SCHOOL	System address:	18626 CLARKDALE AVE
System city:	ARTESIA	System state:	CA
System zip:	90701		

Population served:	101 - 500 Persons	Treatment:	Untreated

Latitude:	335156	Longitude:	1180455

Violation id:	0210025	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	07/31/2002		

Violation id:	0211025	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2002
Cmp edt:	08/31/2002		

Violation id:	0409036	Orig code:	S

State:	CA	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	26	Violation name:	Monitoring, Repeat Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	06/01/2004
Cmp edt:	06/30/2004		

Violation id:	0410026	Orig code:	S
State:	CA	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	07/31/2004		

Violation id:	0503024	Orig code:	S
State:	CA	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	12/01/2004
Cmp edt:	12/31/2004		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	94V0001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	070193	Violation end date:	123193
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

Violation ID:	0210025	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	09/26/2002
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	0211025	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	09/26/2002
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	0409036	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	08/20/2004
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	0410026	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	08/20/2004
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	0503024	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	02/04/2005
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	Not Reported	Orig Code:	F
Enforcemnt FY:	2004	Enforcement Action:	12/31/2003
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Not Reported
PWS name:	OUR LADY OF FATIMA SCHOOL - Holy Family		
Population served:	300	PWS type code:	NTNC
Violation ID:	0210025	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	7/31/2002 0:00:00
Enforcement date:	9/26/2002 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		
PWS name:	OUR LADY OF FATIMA SCHOOL - Holy Family		
Population served:	300	PWS type code:	NTNC
Violation ID:	0211025	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	8/1/2002 0:00:00	Compliance end date:	8/31/2002 0:00:00
Enforcement date:	9/26/2002 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		
PWS name:	OUR LADY OF FATIMA SCHOOL - Holy Family		
Population served:	300	PWS type code:	NTNC
Violation ID:	0409036	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Repeat Minor (TCR)		
Compliance start date:	6/1/2004 0:00:00	Compliance end date:	6/30/2004 0:00:00
Enforcement date:	8/20/2004 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		
PWS name:	OUR LADY OF FATIMA SCHOOL - Holy Family		
Population served:	300	PWS type code:	NTNC
Violation ID:	0410026	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	7/1/2004 0:00:00	Compliance end date:	7/31/2004 0:00:00
Enforcement date:	8/20/2004 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		
PWS name:	OUR LADY OF FATIMA SCHOOL - Holy Family		
Population served:	300	PWS type code:	NTNC
Violation ID:	0503024	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	12/1/2004 0:00:00	Compliance end date:	12/31/2004 0:00:00
Enforcement date:	2/4/2005 0:00:00	Enforcement action:	State AO (w/o Penalty) Issued
Violation measurement:	Not Reported		

P98
East
1/2 - 1 Mile
Lower

AQUIFLOW **38056**

Site ID:	I-10652
Groundwater Flow:	SW
Shallow Water Depth:	9.71
Deep Water Depth:	11.35
Average Water Depth:	Not Reported
Date:	09/30/1997

99
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138701**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S012W25L002S	Type:	Well
Description:	Not Reported	HUC:	18070105

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

P100
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000122436**

Well ID:	T0603703018-BC-12	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-12		

P101
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036148**

Well ID:	T0603703018-BC-10	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-10		

Q102
North
1/2 - 1 Mile
Higher

CA WELLS **4028**

Seq:	4028	Prim sta c:	03S/12W-25J02 S
Frds no:	1910192001	County:	19
District:	07	User id:	4TH
System no:	1910192	Water type:	G
Source nam:	ARKANSAS - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335300.0	Longitude:	1180500.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910192	System nam:	County Wc - Norwalk
Hqname:	COUNTY WATER COMPANY	Address:	11829 E 163RD ST
City:	NORWALK	State:	Not Reported
Zip:	90650	Zip ext:	Not Reported
Pop serv:	6500	Connection:	1628

Area serve: NORWALK, NO ART SYS

Q103
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010194**

Well ID:	03S12W25H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25H001S&store_num=		
GeoTracker Data:	Not Reported		

Q104
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000063219**

Well ID:	T0603703603-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703603&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703603&assigned_name=MW4		

P105
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000062961**

Well ID:	T0603703018-BC-13	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-13		

P106
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000056650**

Well ID:	T0603703018-BC-5	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P107
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112004**

Well ID:	T0603703018-BC-4	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-4		

P108
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000136197**

Well ID:	T0603703018-BC-11	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-11		

Q109
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000049339**

Well ID:	T0603703603-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703603&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703603&assigned_name=MW3		

P110
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083210**

Well ID:	T0603703642-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-20		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P111
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088047**

Well ID:	T0603703018-BC-1	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-1		

P112
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000130097**

Well ID:	T0603703018-BC-6	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-6		

P113
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088851**

Well ID:	T0603703642-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-19		

P114
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000084367**

Well ID:	T0603703642-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P115
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093395**

Well ID:	T0603703018-BC-2	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-2		

P116
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000051611**

Well ID:	T0603703018-BC-9	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-9		

P117
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000123903**

Well ID:	T0603703642-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-17		

P118
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023193**

Well ID:	T0603703642-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-9		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P119
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074338**

Well ID:	T0603703018-BC-7	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-7		

Q120
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107479**

Well ID:	T0603703603-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703603&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703603&assigned_name=MW8		

Q121
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081583**

Well ID:	T0603703603-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703603&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703603&assigned_name=MW2		

Q122
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090103**

Well ID:	T0603703603-MW1A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703603&assigned_name=MW1A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703603&assigned_name=MW1A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P123
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000066591**

Well ID:	T0603703018-BC-3	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-3		

P124
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112572**

Well ID:	T0603703018-BC-8	Well Type:	MONITORING
Source:	EDF	Other Name:	BC-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703018&assigned_name=BC-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703018&assigned_name=BC-8		

125
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000018645**

Well ID:	03S11W31M003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S11W31M003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W31M003S&store_num=		
GeoTracker Data:	Not Reported		

Q126
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046398**

Well ID:	T0603703603-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703603&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703603&assigned_name=MW7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P127
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140579**

Well ID:	T0603703642-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-21		

P128
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000110448**

Well ID:	T0603703642-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-18		

P129
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000118281**

Well ID:	T0603703642-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703642&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703642&assigned_name=MW-8		

R130
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000118703**

Well ID:	T0603743445-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603743445&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603743445&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R131
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000044432**

Well ID:	T0603743445-B-5	Well Type:	MONITORING
Source:	EDF	Other Name:	B-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603743445&assigned_name=B-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603743445&assigned_name=B-5		

R132
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031292**

Well ID:	T0603743445-B-2	Well Type:	MONITORING
Source:	EDF	Other Name:	B-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603743445&assigned_name=B-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603743445&assigned_name=B-2		

R133
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000127736**

Well ID:	T0603743445-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603743445&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603743445&assigned_name=MW-3		

R134
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076728**

Well ID:	T0603743445-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603743445&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603743445&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R135
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000062052**

Well ID:	T0603743445-B-4	Well Type:	MONITORING
Source:	EDF	Other Name:	B-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603743445&assigned_name=B-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603743445&assigned_name=B-4		

S136
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000011500**

Well ID:	03S12W36D003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W36D003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W36D003S&store_num=		
GeoTracker Data:	Not Reported		

S137
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000020277**

Well ID:	03S12W36D004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W36D004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W36D004S&store_num=		
GeoTracker Data:	Not Reported		

T138
East
1/2 - 1 Mile
Lower

CA WELLS **2774**

Seq:	2774	Prim sta c:	02S/11W-30Q01 S
Frds no:	1900114001	County:	19
District:	49	User id:	19C
System no:	1900114	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335233.0	Longitude:	1180416.0
Precision:	3	Status:	AR
Comment 1:	8619 S. NORWALK BLVD. REAR ALLEY	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1900114	System nam:	Mutual Water Owners Of Los Angeles
Hqname:	Not Reported	Address:	11549 E WALNUT ST.
City:	LOS NIETOS	State:	CA
Zip:	90606	Zip ext:	Not Reported
Pop serv:	301	Connection:	86
Area serve:	Not Reported		

U139
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000084208**

Well ID:	T0603754358-MW 2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW 2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603754358&assigned_name=MW 2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603754358&assigned_name=MW 2		

U140
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000076374**

Well ID:	T0603754358-MW 1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW 1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603754358&assigned_name=MW 1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603754358&assigned_name=MW 1		

U141
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065176**

Well ID:	T0603754358-MW 3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW 3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603754358&assigned_name=MW 3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603754358&assigned_name=MW 3		

T142
East
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000019558**

Well ID:	1900114-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1900114-001&store_num=		

GeoTracker Data: Not Reported

143
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000009996**

Well ID: 03S11W30Q001S
Well Type: UNK
Source: Department of Water Resources
Other Name: 03S11W30Q001S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W30Q001S&store_num=
GeoTracker Data: Not Reported

V144
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000093126**

Well ID: T0603705209-MW-10
Well Type: MONITORING
Source: EDF
Other Name: MW-10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-10

V145
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096220**

Well ID: T0603705209-MW-11
Well Type: MONITORING
Source: EDF
Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-11

146
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000019090**

Well ID: 03S12W25A001S
Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W25A001S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25A001S&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V147
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000105100**

Well ID:	T0603705209-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-5		

V148
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047397**

Well ID:	T0603705209-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-9		

149
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000001760**

Well ID:	1909007-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1909007-001&store_num=		
GeoTracker Data:	Not Reported		

W150
NW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00004306**

Well ID:	USGS-335303118053801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-335303118053801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-335303118053801&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W151
NW
1/2 - 1 Mile
Higher

CA WELLS **4026**

Seq:	4026	Prim sta c:	03S/12W-25C01 S
Frds no:	1900025001	County:	19
District:	49	User id:	19C
System no:	1900025	Water type:	G
Source nam:	WELL 02	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335304.0	Longitude:	1180536.0
Precision:	3	Status:	AR
Comment 1:	ADJACENT TO INCINERATOR	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1900025	System nam:	Cerritos College
Hqname:	Not Reported	Address:	11162 ALONDRA BLVD.
City:	NORWALK	State:	CA
Zip:	90651	Zip ext:	Not Reported
Pop serv:	2000	Connection:	1
Area serve:	Not Reported		

X152
West
1/2 - 1 Mile
Higher

CA WELLS **4027**

Seq:	4027	Prim sta c:	03S/12W-25H01 S
Frds no:	1900536001	County:	19
District:	49	User id:	19C
System no:	1900536	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335224.0	Longitude:	1180558.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1900536	System nam:	Norwalk Mobile Lodge
Hqname:	Not Reported	Address:	16341 PIONEER BLVD
City:	NORWALK	State:	CA
Zip:	90650	Zip ext:	Not Reported
Pop serv:	200	Connection:	1
Area serve:	Not Reported		

Y153
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000026975**

Well ID:	03S12W25B001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25B001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25B001S&store_num=		

GeoTracker Data: Not Reported

W154
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138779**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S012W25C001S	Type:	Well
Description:	Not Reported	HUC:	18070106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	914
Well Depth Units:	ft	Well Hole Depth:	980
Well Hole Depth Units:	ft		

V155
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069027**

Well ID:	T0603705209-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-1		

Z156
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010015**

Well ID:	03S11W30K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S11W30K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W30K001S&store_num=		
GeoTracker Data:	Not Reported		

Z157
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000006743**

Well ID:	03S11W30K002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S11W30K002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S11W30K002S&store_num=		

GeoTracker Data: Not Reported

V158
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060075**

Well ID:	T0603705209-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-3		

Y159
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000013711**

Well ID:	T0603705209-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-2		

AA160
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138760**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S012W26J003S	Type:	Well
Description:	Not Reported	HUC:	18070106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	980
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

AA161
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000000609**

Well ID:	1910019-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL C-4	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910019-003&store_num=		

GeoTracker Data: Not Reported

X162
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000018692**

Well ID: 03S12W35A004S
Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W35A004S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W35A004S&store_num=
GeoTracker Data: Not Reported

X163
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000001482**

Well ID: 03S12W35A002S
Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W35A002S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W35A002S&store_num=
GeoTracker Data: Not Reported

164
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000002962**

Well ID: 03S12W26R001S
Well Type: UNK
Source: Department of Water Resources
Other Name: 03S12W26R001S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W26R001S&store_num=
GeoTracker Data: Not Reported

AB165
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000094143**

Well ID: T0603705209-MW-15
Well Type: MONITORING
Source: EDF
Other Name: MW-15
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-15

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

166
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000022154**

Well ID:	03S12W25E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25E001S&store_num=		
GeoTracker Data:	Not Reported		

167
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000121986**

Well ID:	T0603705209-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-12		

AB168
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000000812**

Well ID:	T0603705209-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-14		

Y169
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095227**

Well ID:	T0603705209-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705209&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705209&assigned_name=MW-13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

		Database	EDR ID Number
170 **NNW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CADWR0000017592**

Well ID:	03S12W25C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	03S12W25C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=03S12W25C001S&store_num=		
GeoTracker Data:	Not Reported		

1G **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-13467 Not Reported Not Reported Not Reported 23 02/17/1988	**AQUIFLOW**	**34330**

2G **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-02660 N 10.98 23.75 Not Reported 08/03/1998	**AQUIFLOW**	**34325**

3G **NE** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-02871 W Not Reported Not Reported 11.59 12/18/1998	**AQUIFLOW**	**34310**

4G **WNW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-11805 W 16.14 16.69 Not Reported 11/12/1996	**AQUIFLOW**	**34326**

5G **East** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-02242 Not Reported 15.25 16.09 Not Reported 11/21/1988	**AQUIFLOW**	**34323**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
6G **East** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-10652 SW 9.71 11.35 Not Reported 09/30/1997	**AQUIFLOW**	**38056**
7G **SE** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-11487 Not Reported 18 36.5 Not Reported 12/11/1989	**AQUIFLOW**	**34315**
8G **South** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	I-01249 NW 14 16 Not Reported 02/07/1997	**AQUIFLOW**	**34312**
9G **SE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	R-11981 Varies 9.04 Not Reported Not Reported 11/24/1998	**AQUIFLOW**	**38057**
10G **SE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	R-11981 Varies 8.98 Not Reported Not Reported 11/24/1998	**AQUIFLOW**	**38058**
11G **SSE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	907010061 E 11 20 Not Reported 03/1987	**AQUIFLOW**	**34317**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NW
1/2 - 1 Mile

OIL_GAS **CAOG14000005332**

API #:	0403705142	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Lease by Artesia Oil Co. of California		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

2
ENE
1/2 - 1 Mile

OIL_GAS **CAOG14000005261**

API #:	0403705482	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Hollandia	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

3
NW
1/2 - 1 Mile

OIL_GAS **CAOG14000005698**

API #:	0403706197	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Millard	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90701	8	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 90701

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C
HISTORICAL RESEARCH DOCUMENTATION

APPENDIX C.1
TOPOGRAPHIC MAPS

11709 Artesia Boulevard

11709 Artesia Boulevard

Artesia, CA 90701

Inquiry Number: 6777008.4

December 06, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/06/21

Site Name:

11709 Artesia Boulevard
11709 Artesia Boulevard
Artesia, CA 90701
EDR Inquiry # 6777008.4

Client Name:

Ramboll
18100 Von Karman Avenue
Irvine, CA 92612
Contact: Cara Thomann

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ramboll were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: 1690009964 Borstein

Coordinates:

Latitude:	33.874031 33° 52' 27" North
Longitude:	-118.084478 -118° 5' 4" West
UTM Zone:	Zone 11 North
UTM X Meters:	399700.93
UTM Y Meters:	3748718.03
Elevation:	64.00' above sea level

Maps Provided:

2018	1949	1902
2015	1947	1899
2012	1945	1896
1981	1943	
1974	1942	
1972	1935	
1964, 1965	1925	
1950, 1951	1923	

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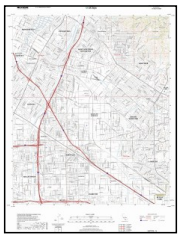
Topo Sheet Key

This EDR Topo Map Report is based upon the following SGS topographic map sheets.

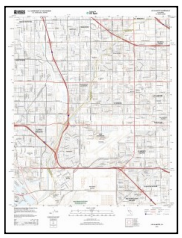
2018 Source Sheets

Los Alamitos
2018
7.5-minute, 24000

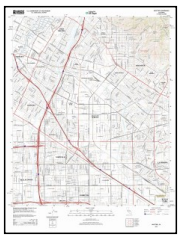


Whittier
2018
7.5-minute, 24000

2015 Source Sheets



Los Alamitos
2015
7.5-minute, 24000



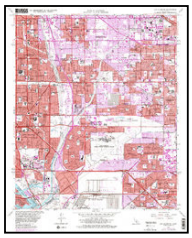
Whittier
2015
7.5-minute, 24000

2012 Source Sheets

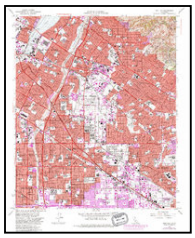
Los Alamitos
2012
7.5-minute, 24000

Whittier
2012
7.5-minute, 24000

1981 Source Sheets



Los Alamitos
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Whittier
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following SGS topographic map sheets.

1974 Source Sheets

Los Alamitos
1974
7.5-minute, 24000
Aerial Photo Revised 1974

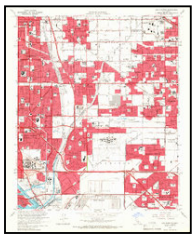
Whittier
1974
7.5-minute, 24000
Aerial Photo Revised 1974

1972 Source Sheets

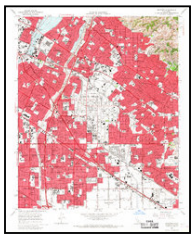
Los Alamitos
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Whittier
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964, 1965 Source Sheets



Los Alamitos
1964
7.5-minute, 24000
Aerial Photo Revised 1963



Whittier
1965
7.5-minute, 24000
Aerial Photo Revised 1963

1950, 1951 Source Sheets

Los Alamitos
1950
7.5-minute, 24000
Aerial Photo Revised 1947

Whittier
1951
7.5-minute, 24000
Aerial Photo Revised 1947

Topo Sheet Key

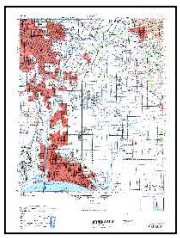
This EDR Topo Map Report is based upon the following SGS topographic map sheets.

1949 Source Sheets

Los Alamitos
1949
7.5-minute, 24000
Aerial Photo Revised 1947

Whittier
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1947 Source Sheets

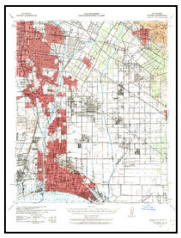


DOWNEY
1947
15-minute, 50000

1945 Source Sheets

Artesia
1945
7.5-minute, 24000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following SGS topographic map sheets.

1942 Source Sheets

Downey
1942
15-minute, 62500

1935 Source Sheets

Los Alamitos
1935
7.5-minute, 31680

1925 Source Sheets

Clearwater
1925
7.5-minute, 24000

Artesia
1925
7.5-minute, 24000

1923 Source Sheets

Artesia
1923
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following SGS topographic map sheets.

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

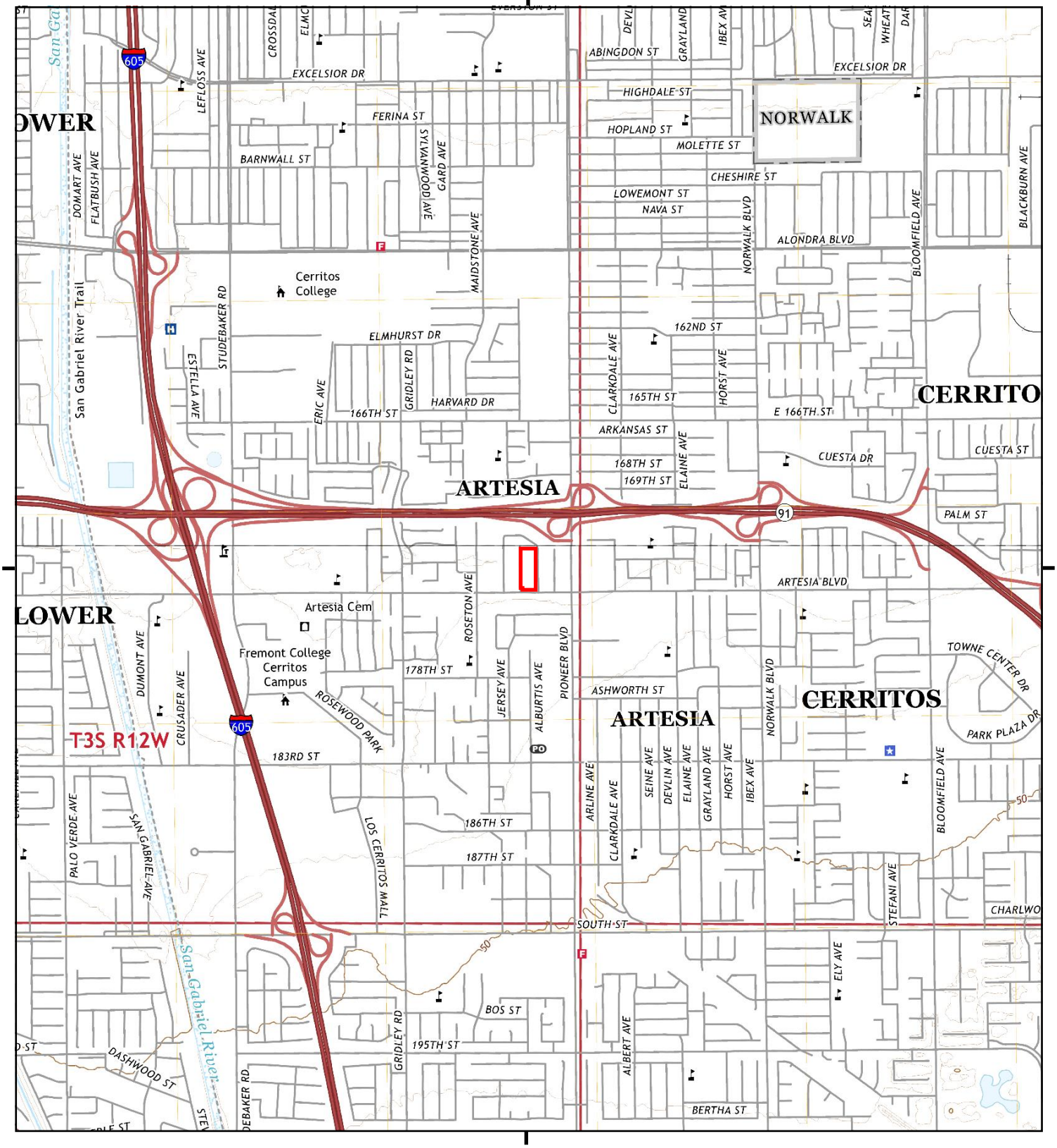
Downey
1899
15-minute, 62500

1896 Source Sheets

Downey
1896
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

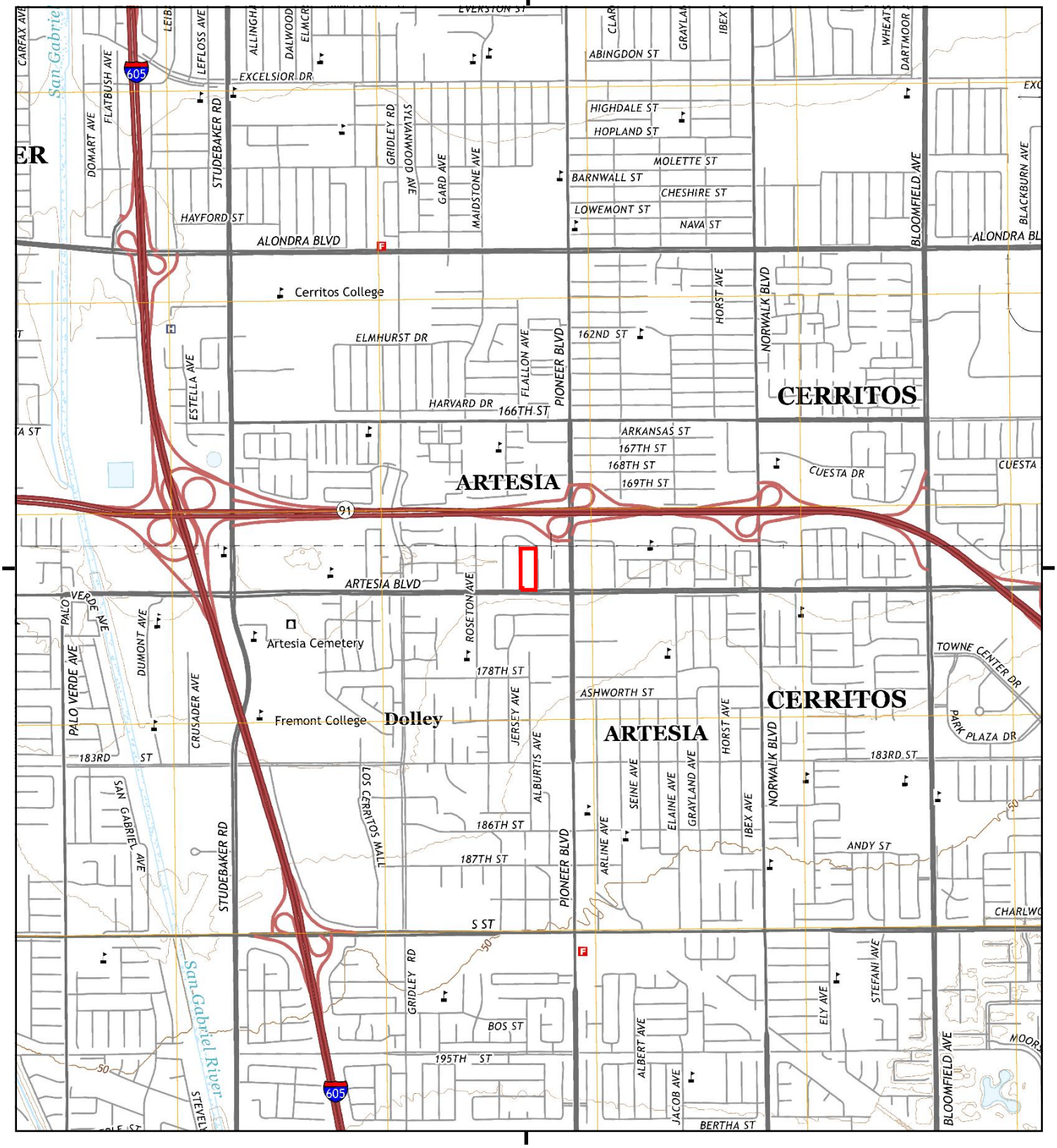
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Alamitos, 2018, 7.5-minute
N, Whittier, 2018, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N



This report includes information from the following map sheet(s).

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W E
SW S SE

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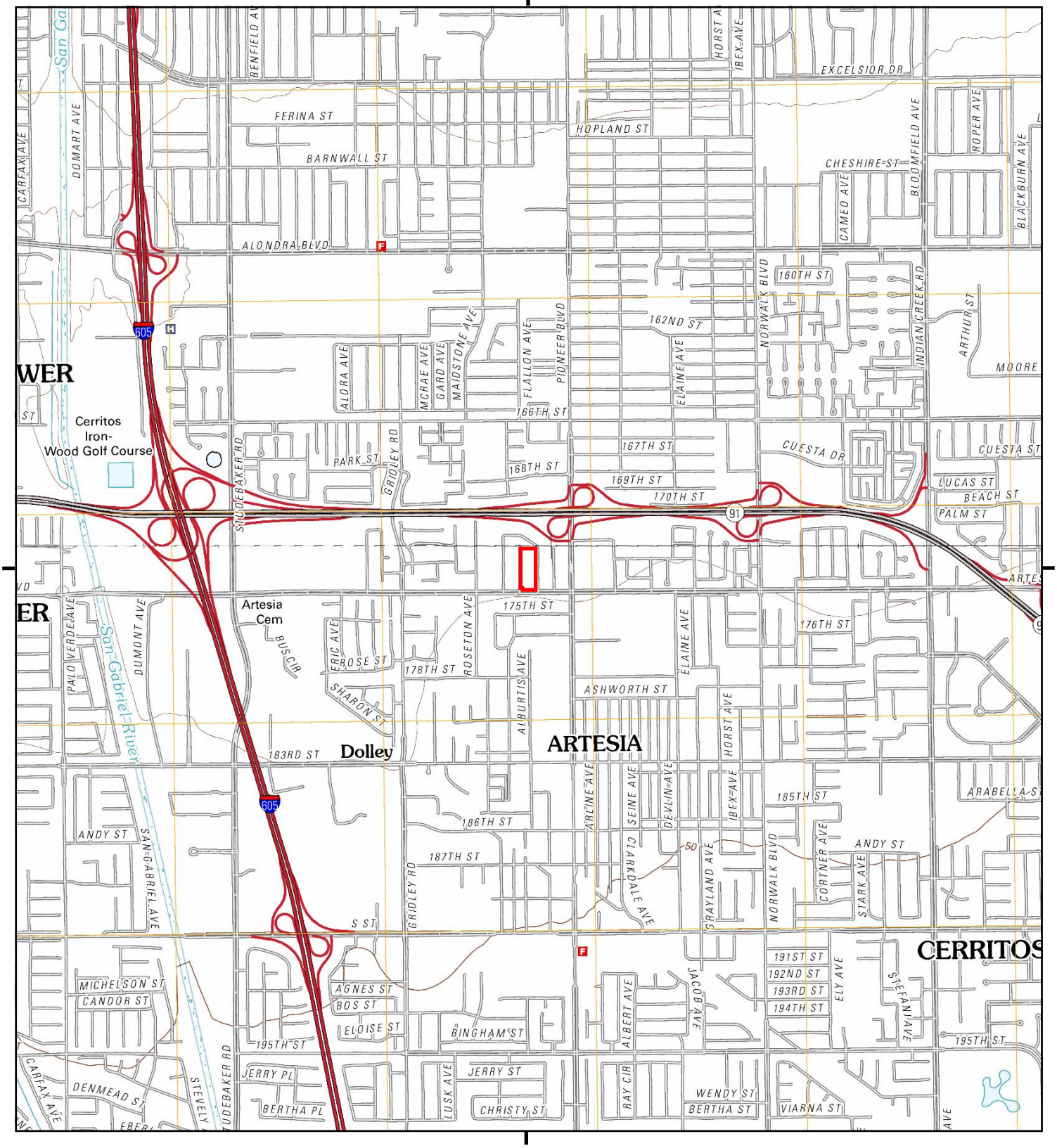
N, Whittier, 2015, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

2012



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W E
SW S SE

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N, Whittier, 2012, 7.5-minute

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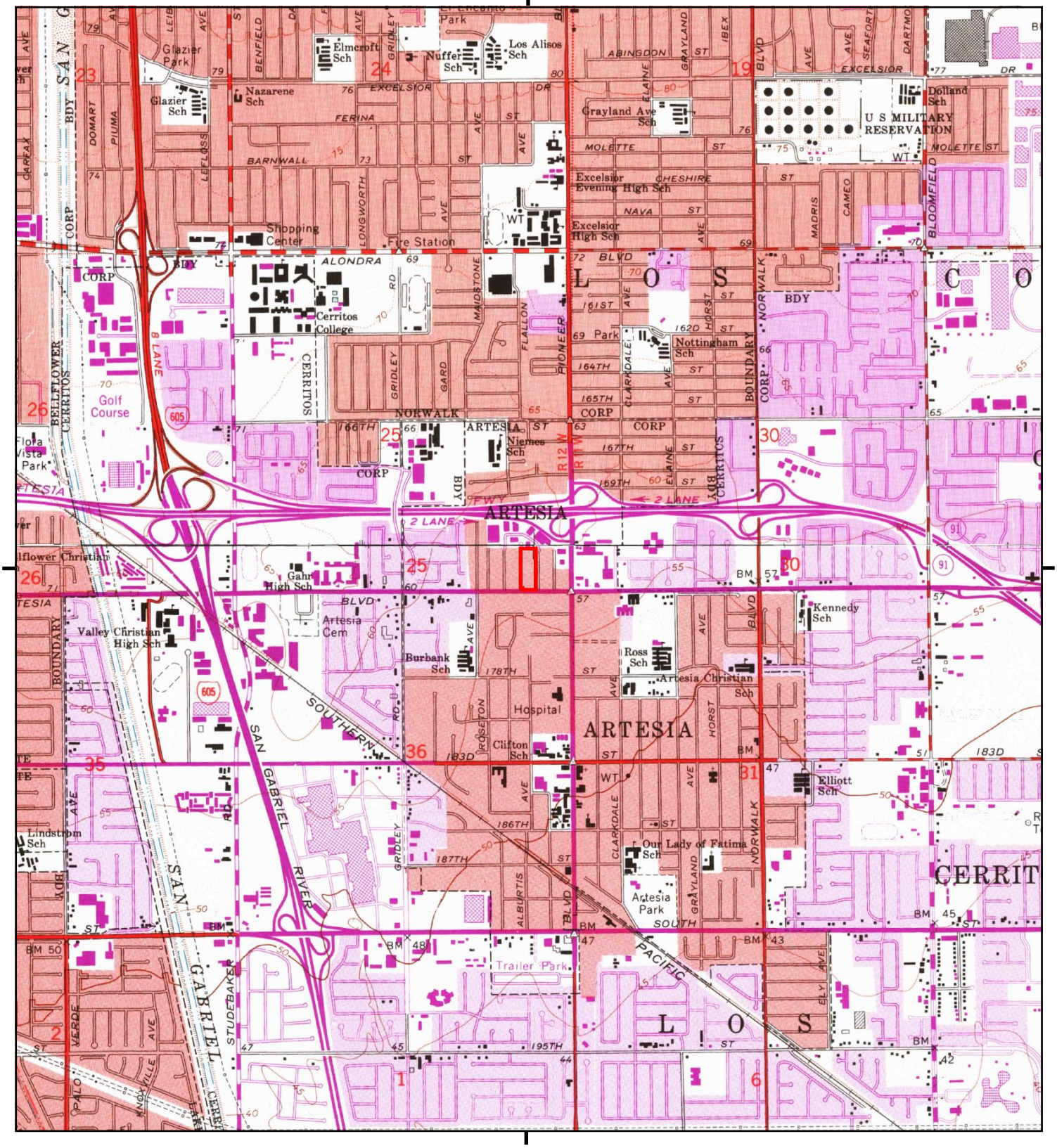
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N



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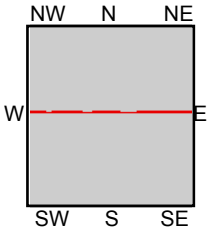
0 Miles 0.25 0.5 1 1.5



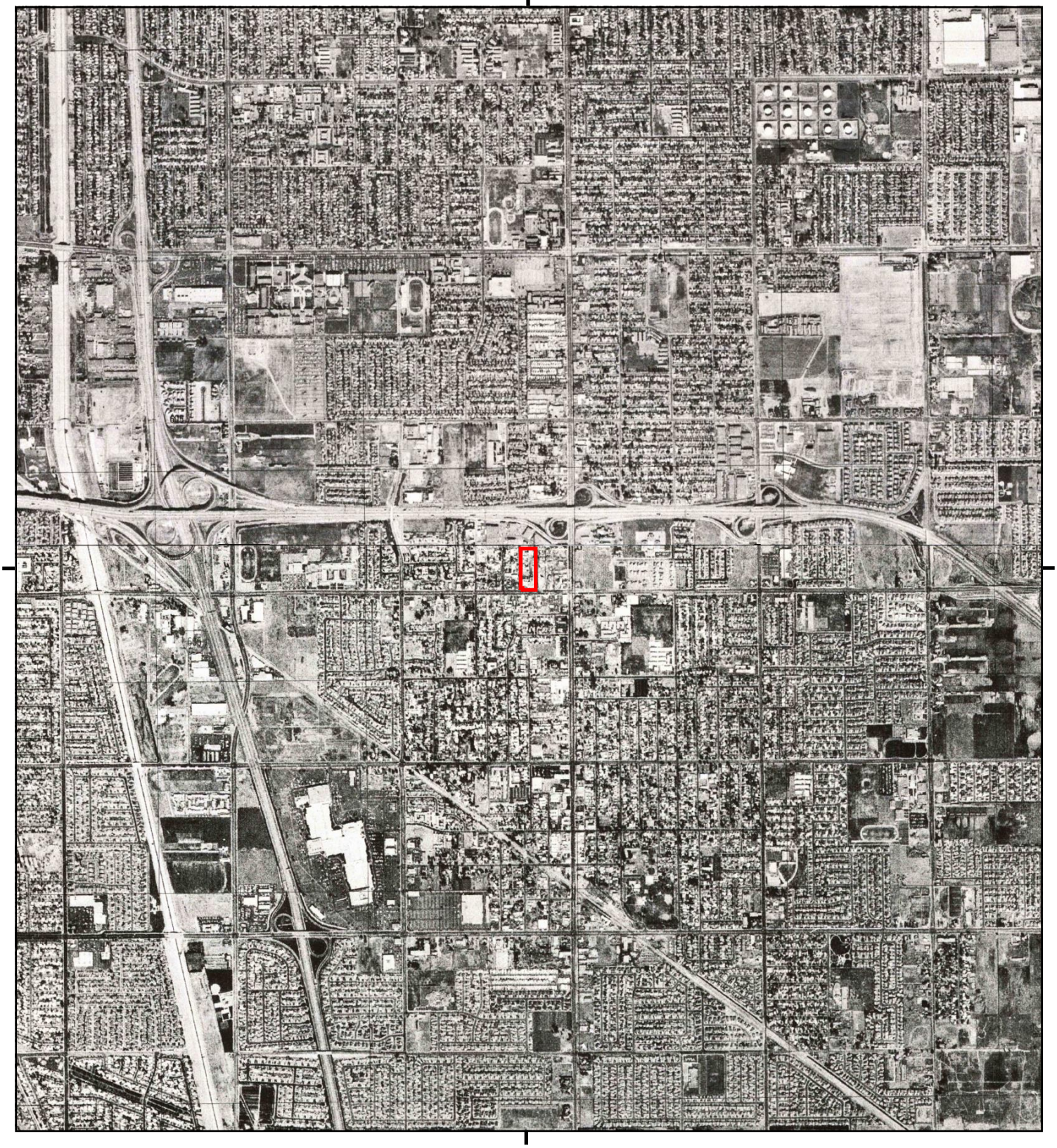
TP, Los Alamitos, 1981, 7.5-minute
N, Whittier, 1981, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1974



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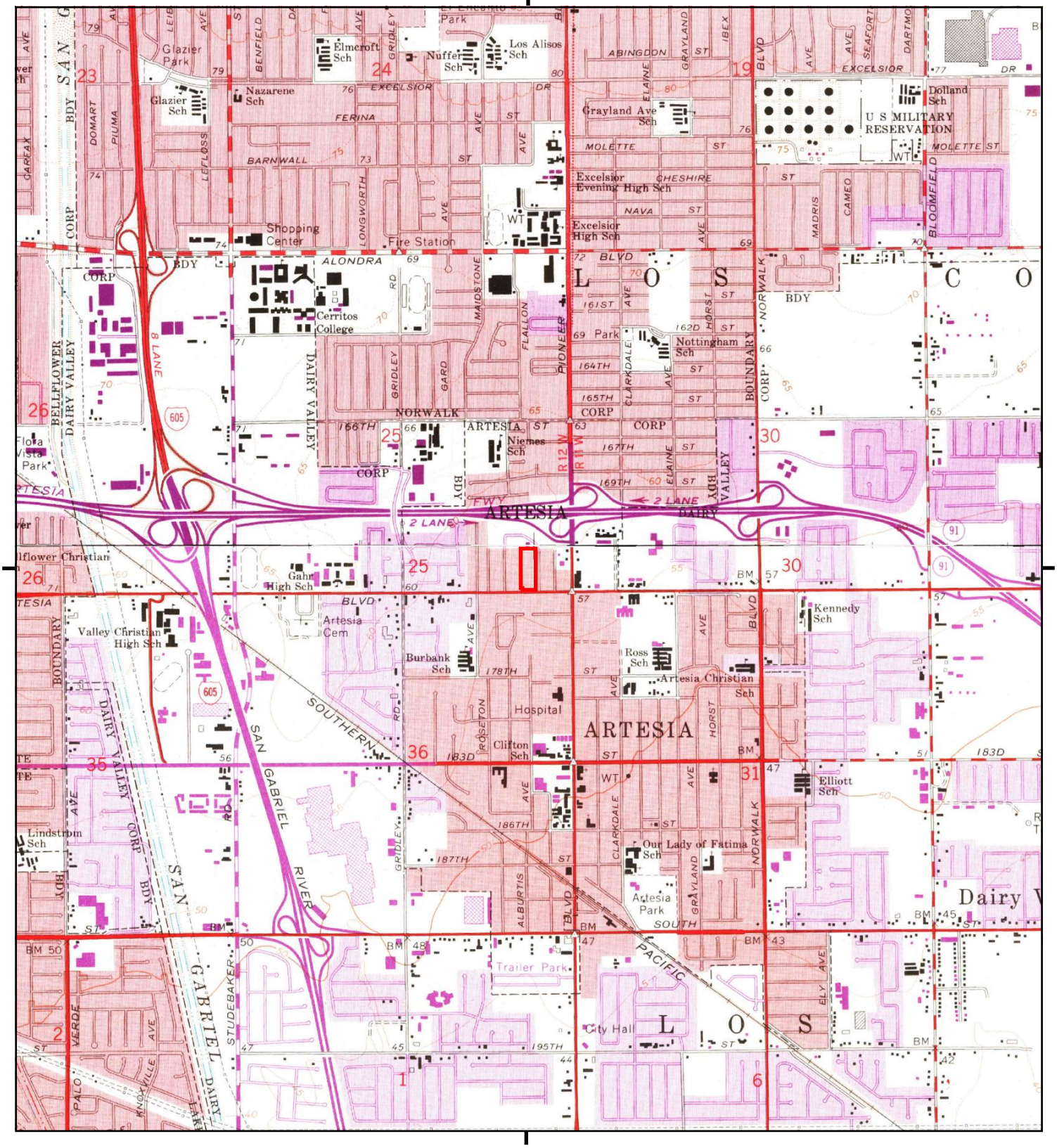
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Alamitos, 1974, 7.5-minute
N, Whittier, 1974, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N



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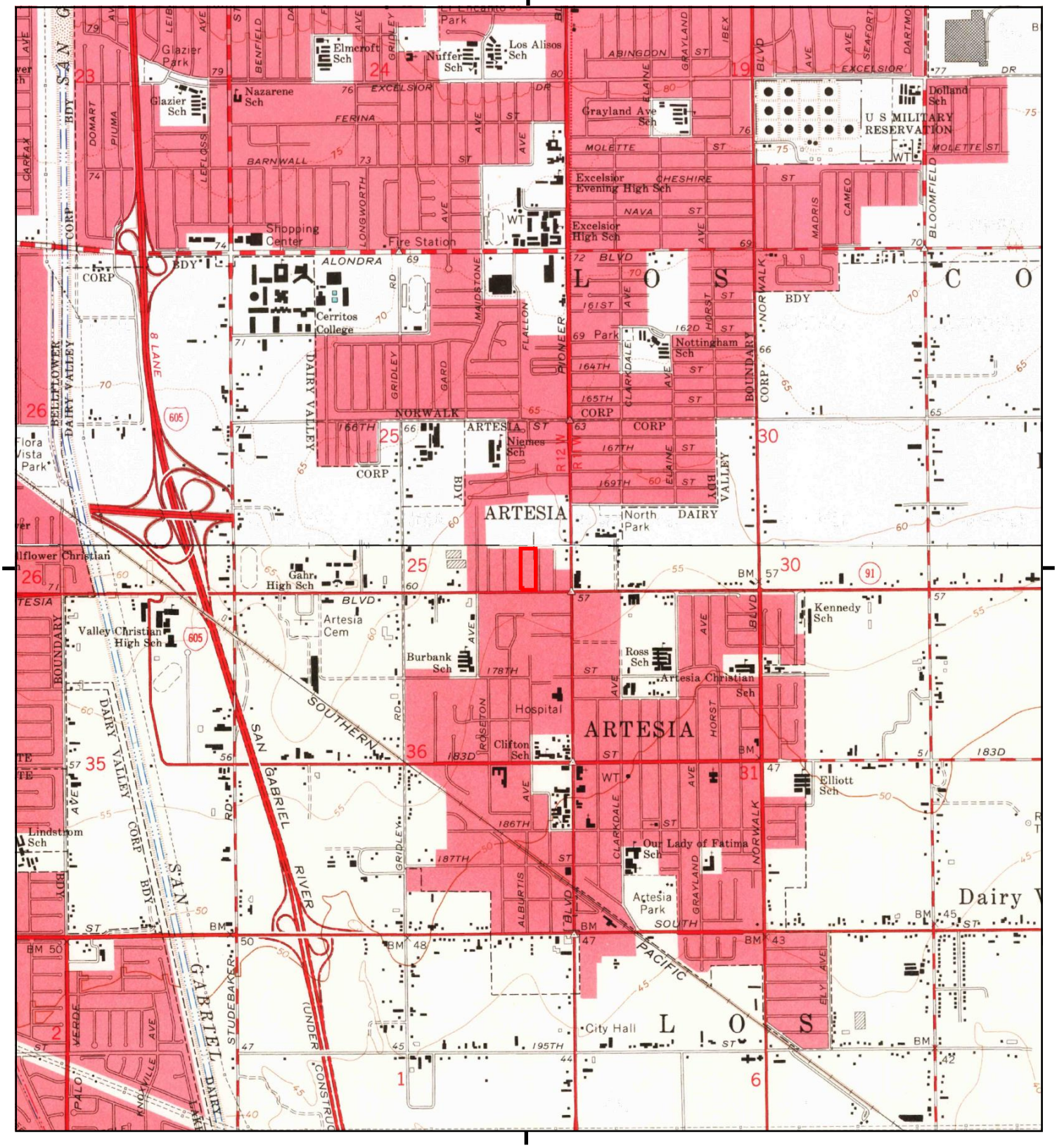
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Alamitos, 1972, 7.5-minute
N, Whittier, 1972, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

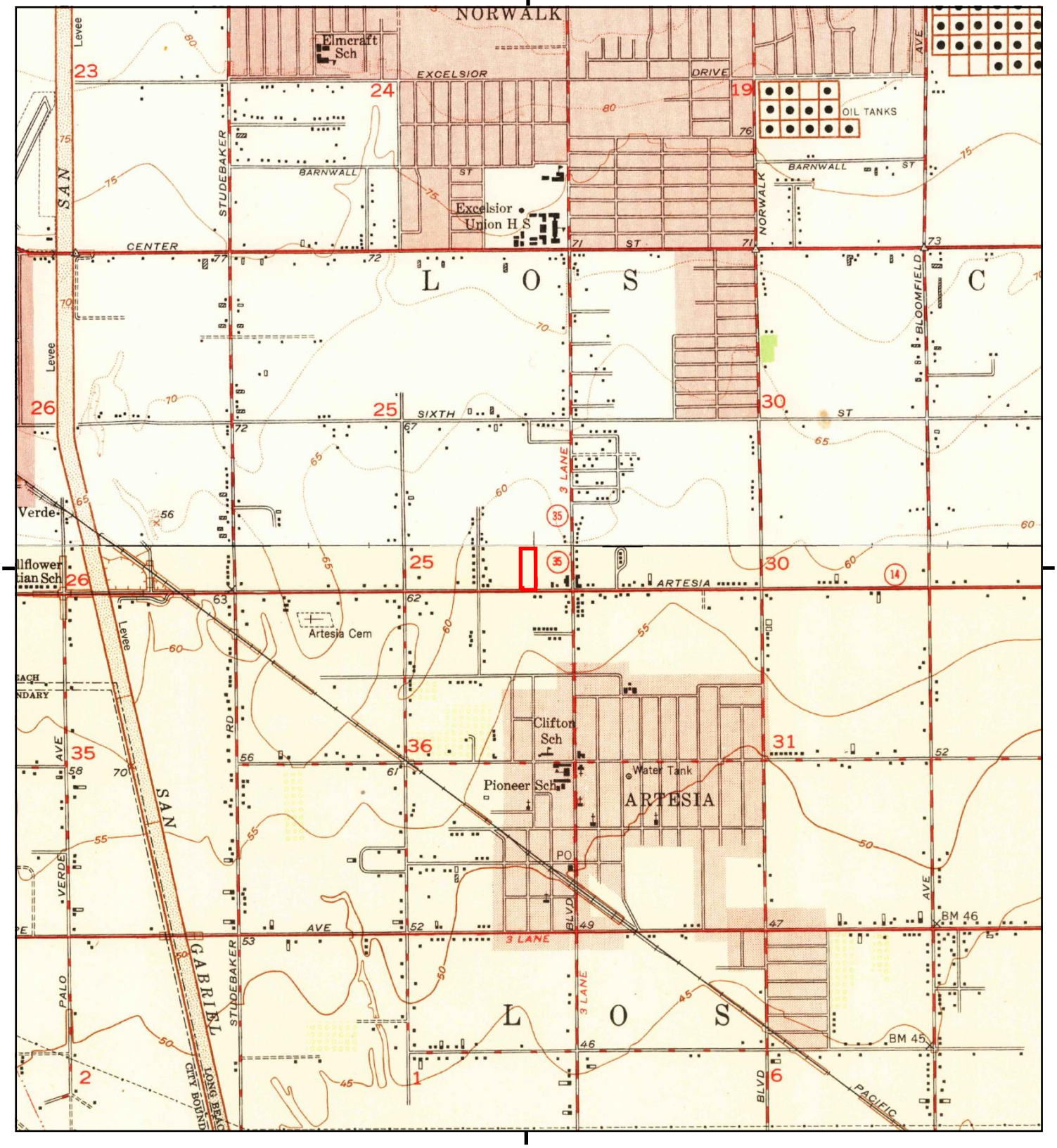
TP, Los Alamitos, 1964, 7.5-minute
N, Whittier, 1965, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1950, 1951



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

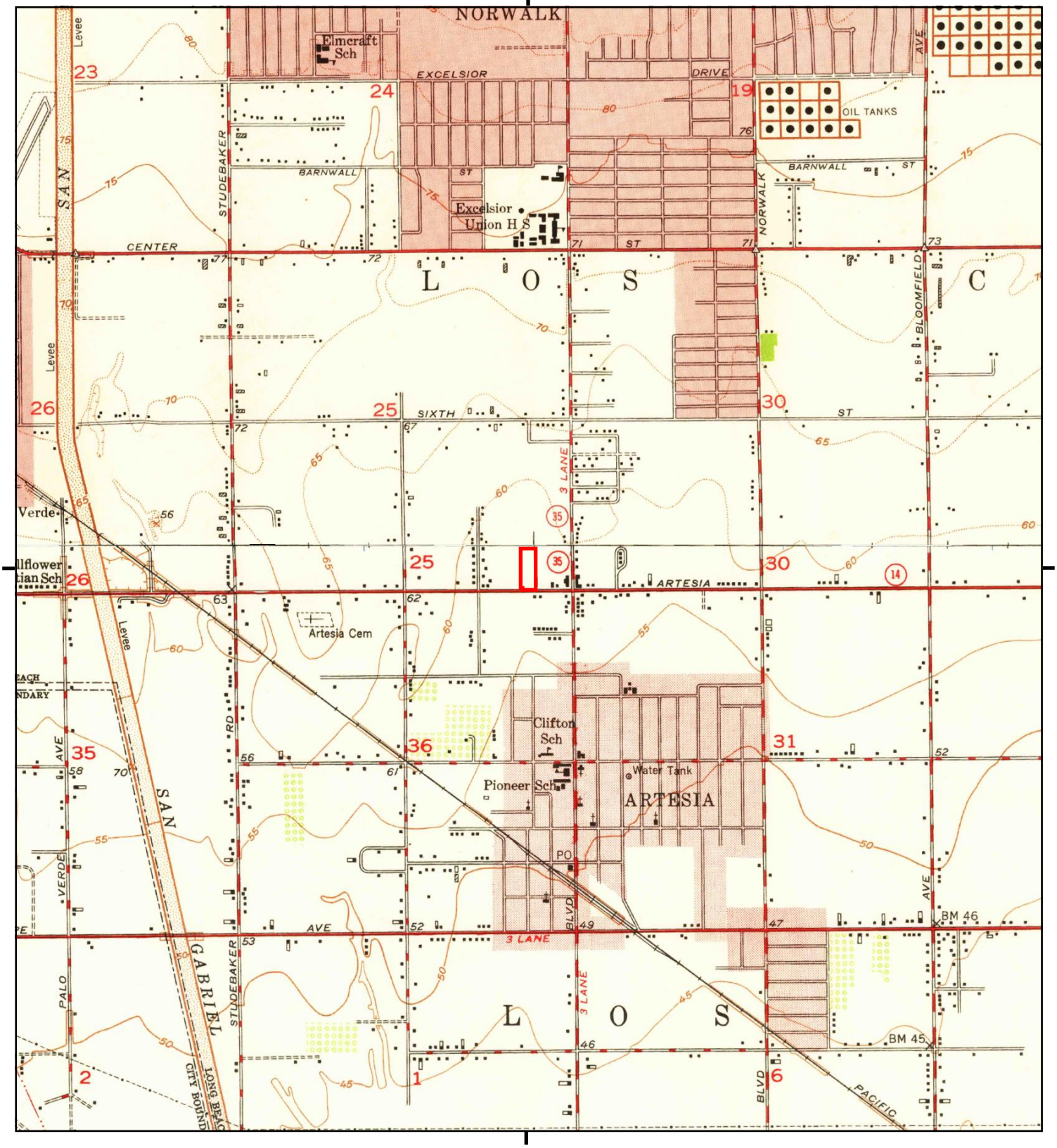
TP, Los Alamitos, 1950, 7.5-minute
N, Whittier, 1951, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1949



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

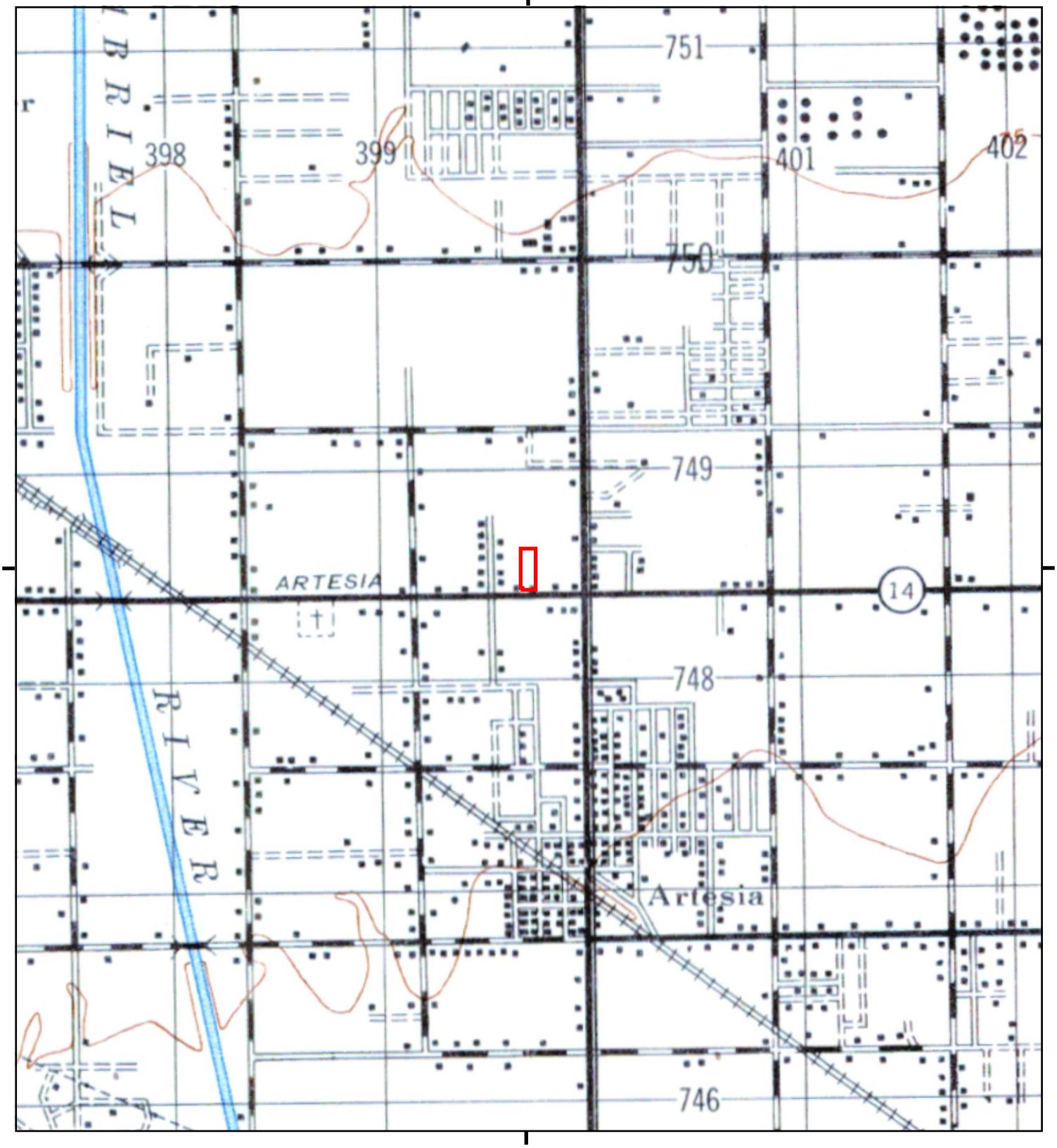
TP, Los Alamitos, 1949, 7.5-minute
N, Whittier, 1949, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

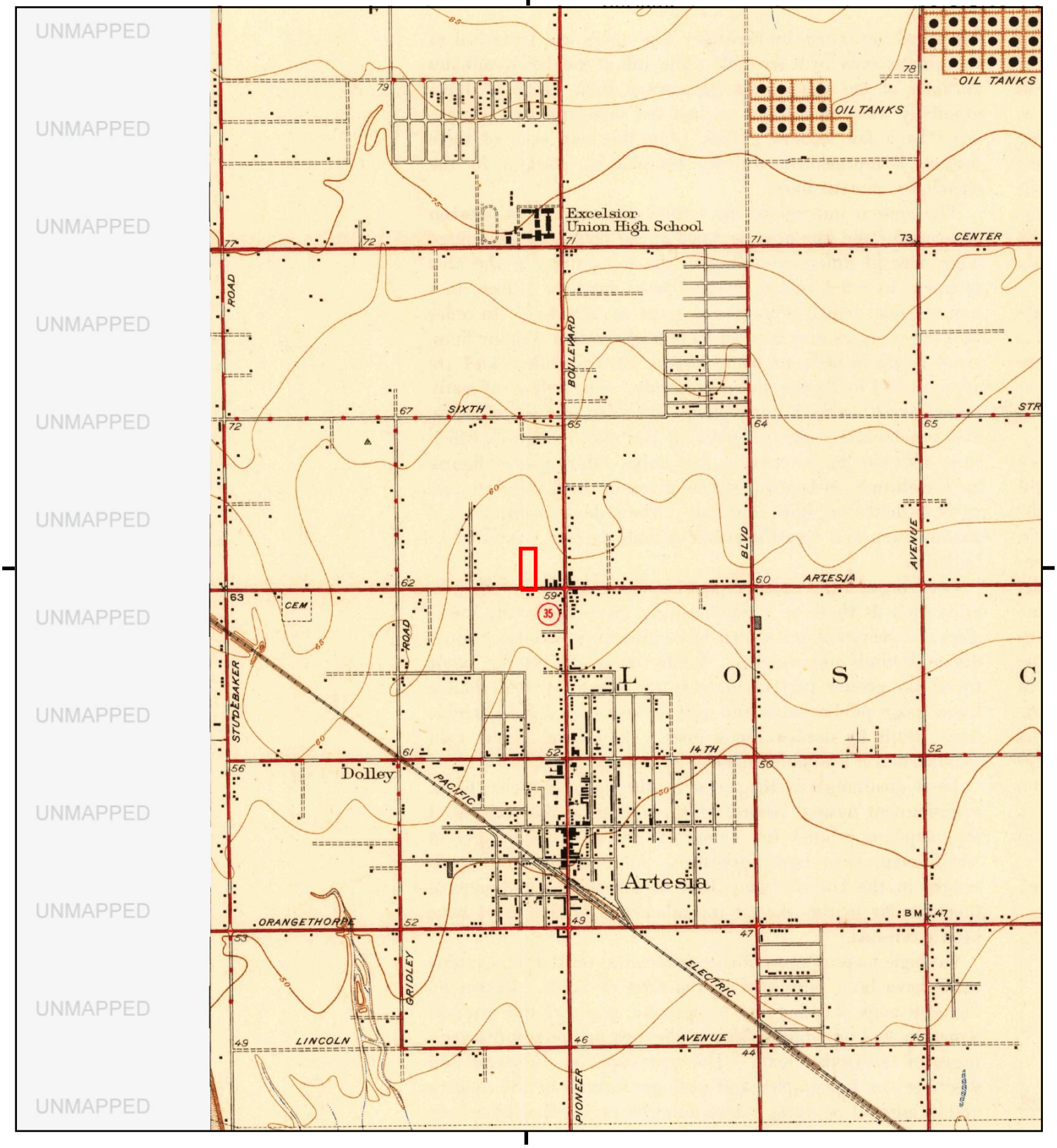
TP, DOWNEY, 1947, 15-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1945



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

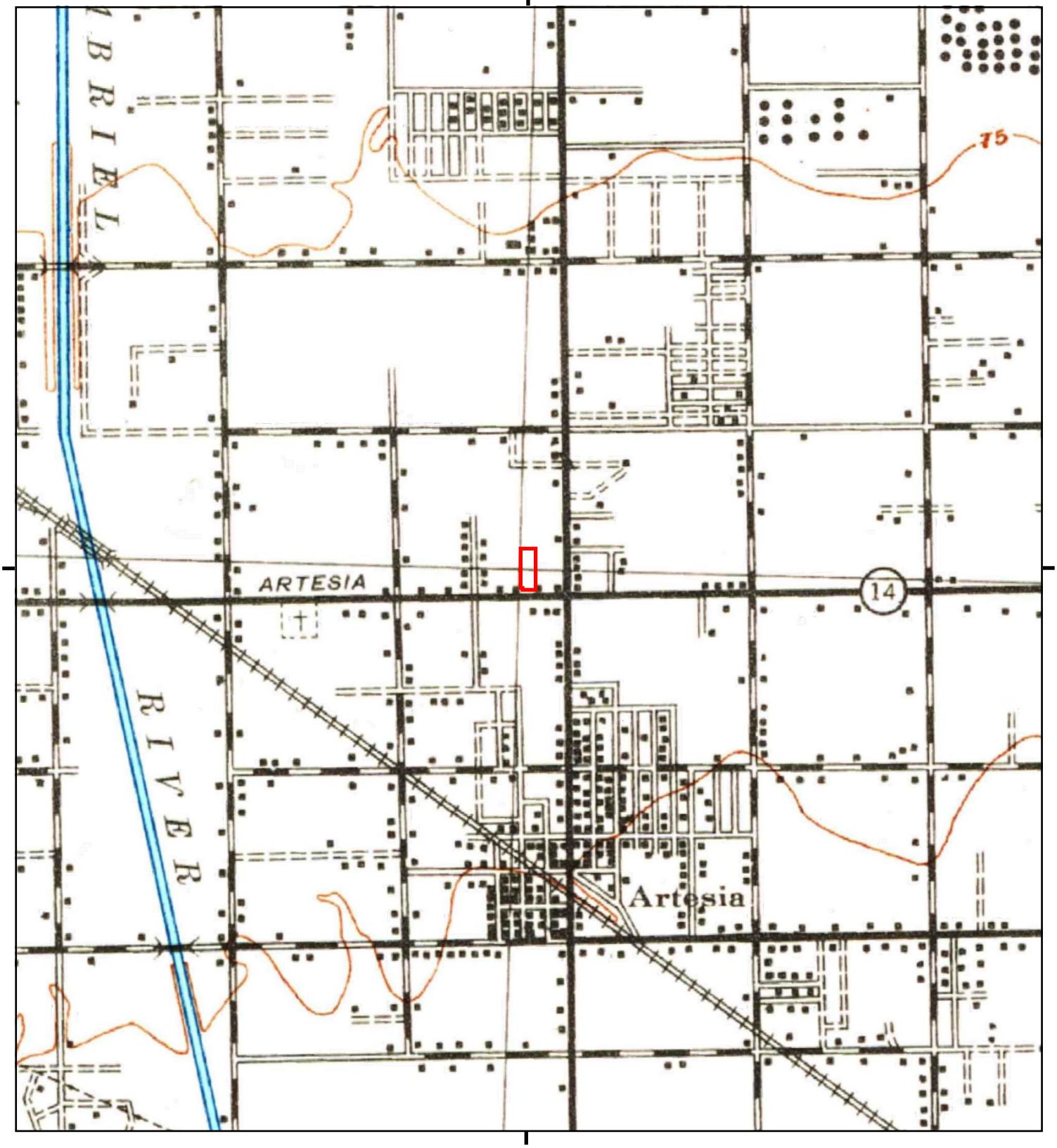
TP, Artesia, 1945, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

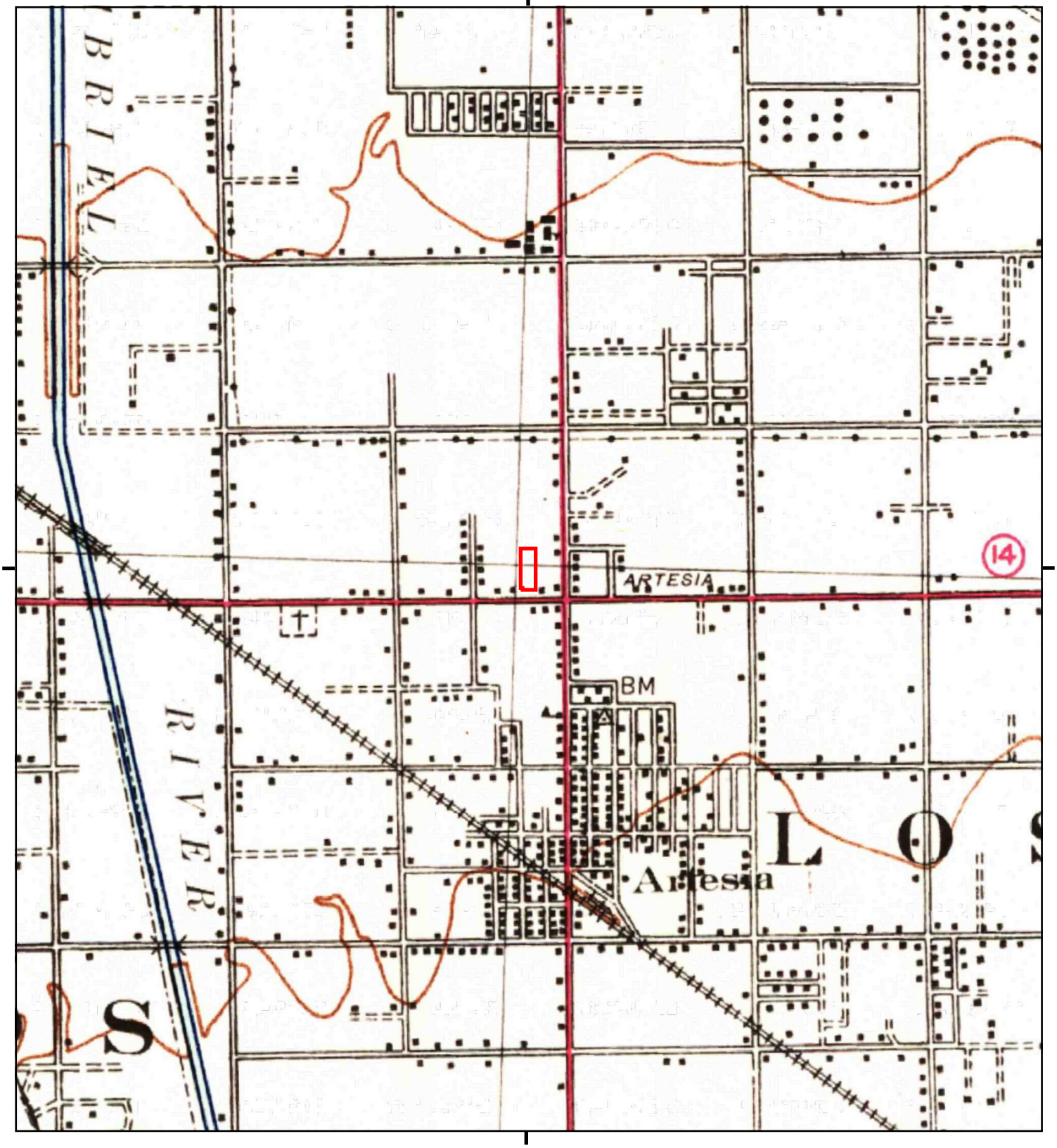
TP, Downey, 1943, 15-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
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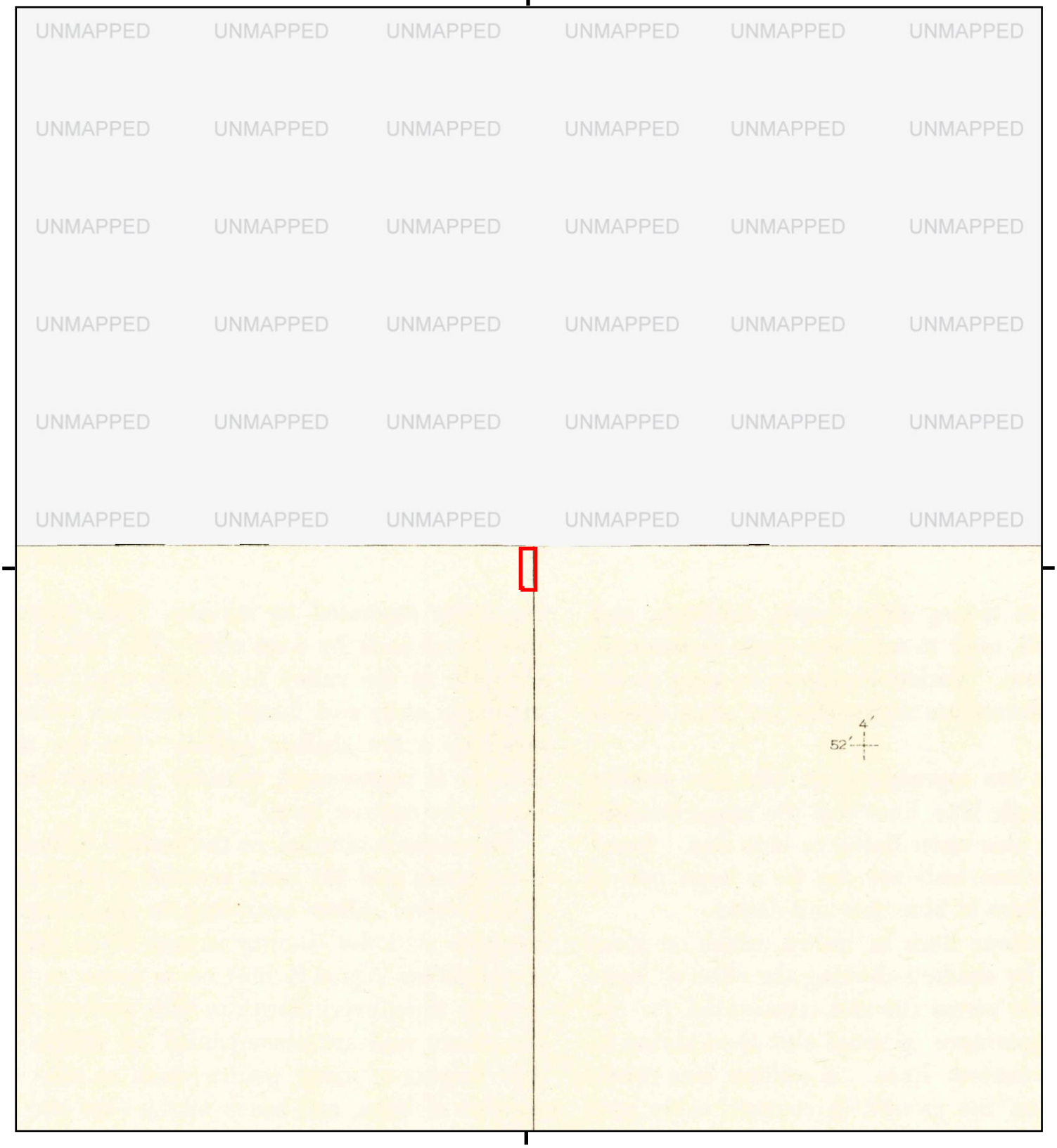
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED



This report includes information from the following map sheet(s).

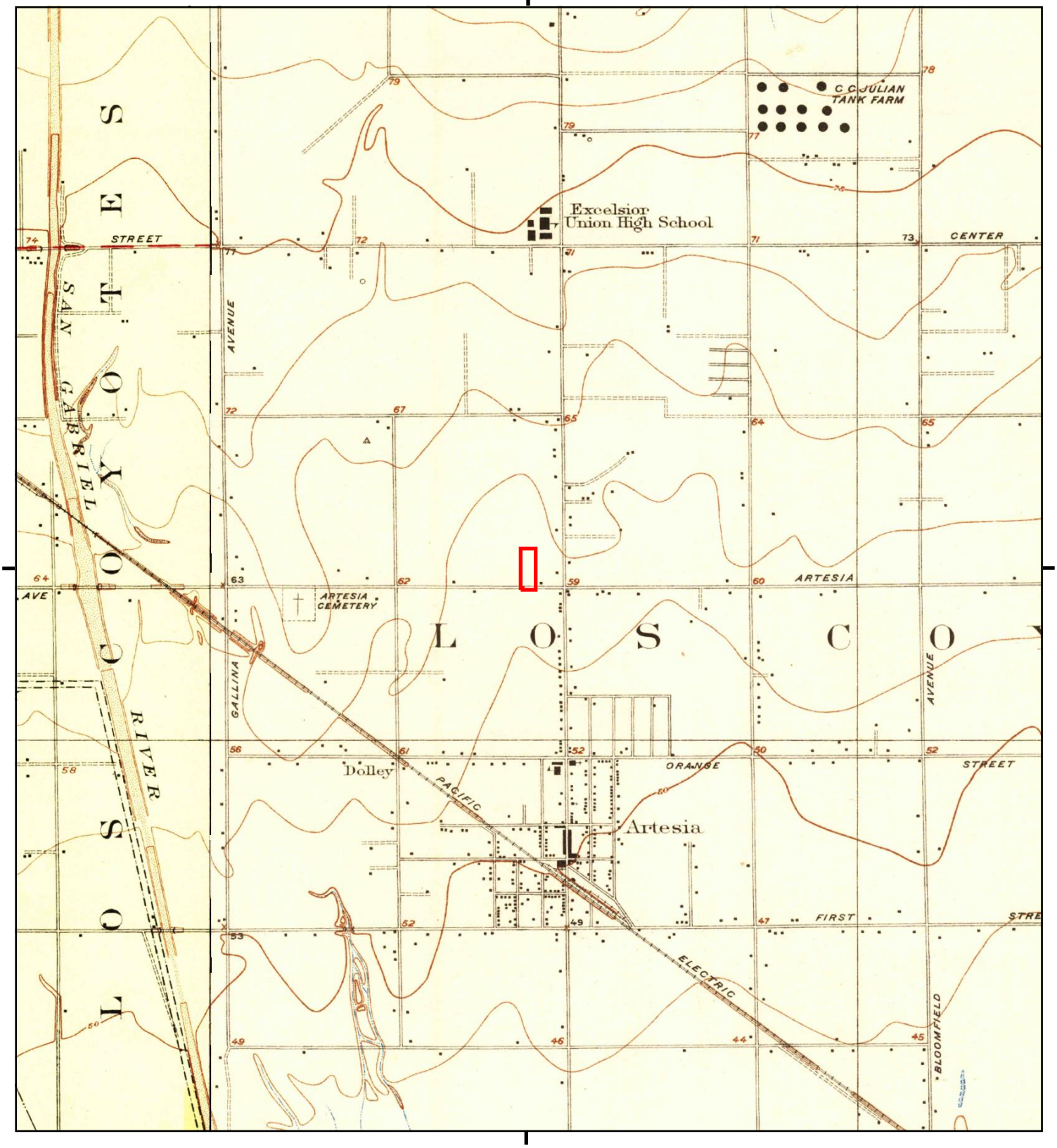
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Alamitos, 1935, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

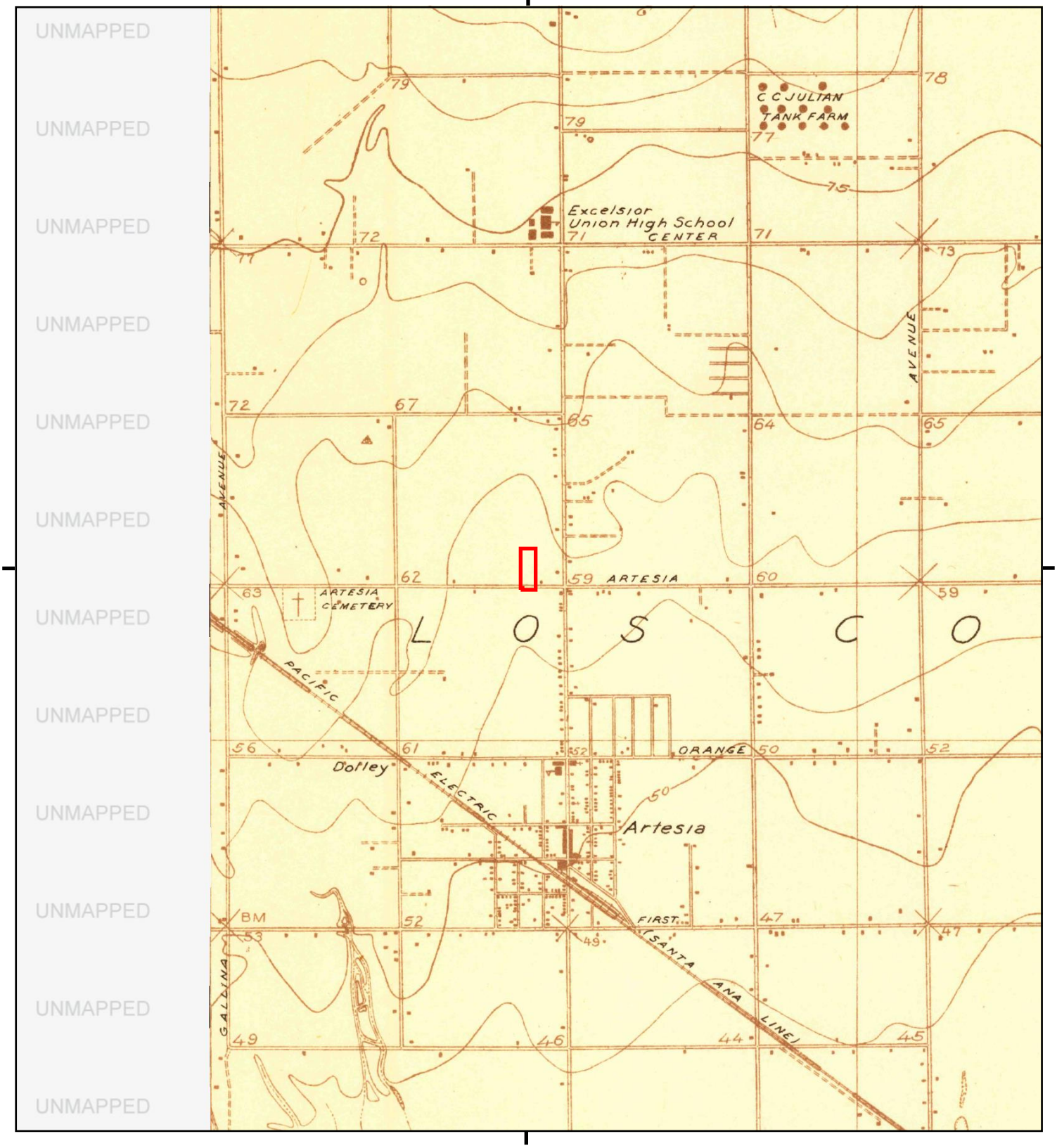
TP, Artesia, 1925, 7.5-minute
SW, Clearwater, 1925, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

Historical Topo Map

1923



This report includes information from the following map sheet(s).

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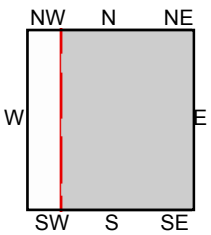

TP, Artesia, 1923, 7.5-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute

SITE NAME: 11709 Artesia Boulevard
ADDRESS: 11709 Artesia Boulevard
Artesia, CA 90701
CLIENT: Ramboll

N

APPENDIX C.2
AERIAL PHOTOGRAPHS

11709 Artesia Boulevard

11709 Artesia Boulevard

Artesia, CA 90701

Inquiry Number: 6777008.8

December 07, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/07/21

Site Name:

11709 Artesia Boulevard
11709 Artesia Boulevard
Artesia, CA 90701
EDR Inquiry # 6777008.8

Client Name:

Ramboll
18100 Von Karman Avenue
Irvine, CA 92612
Contact: Cara Thomann

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1983	1"=500'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 19, 1970	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: November 18, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	FAIR
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 6777008.8

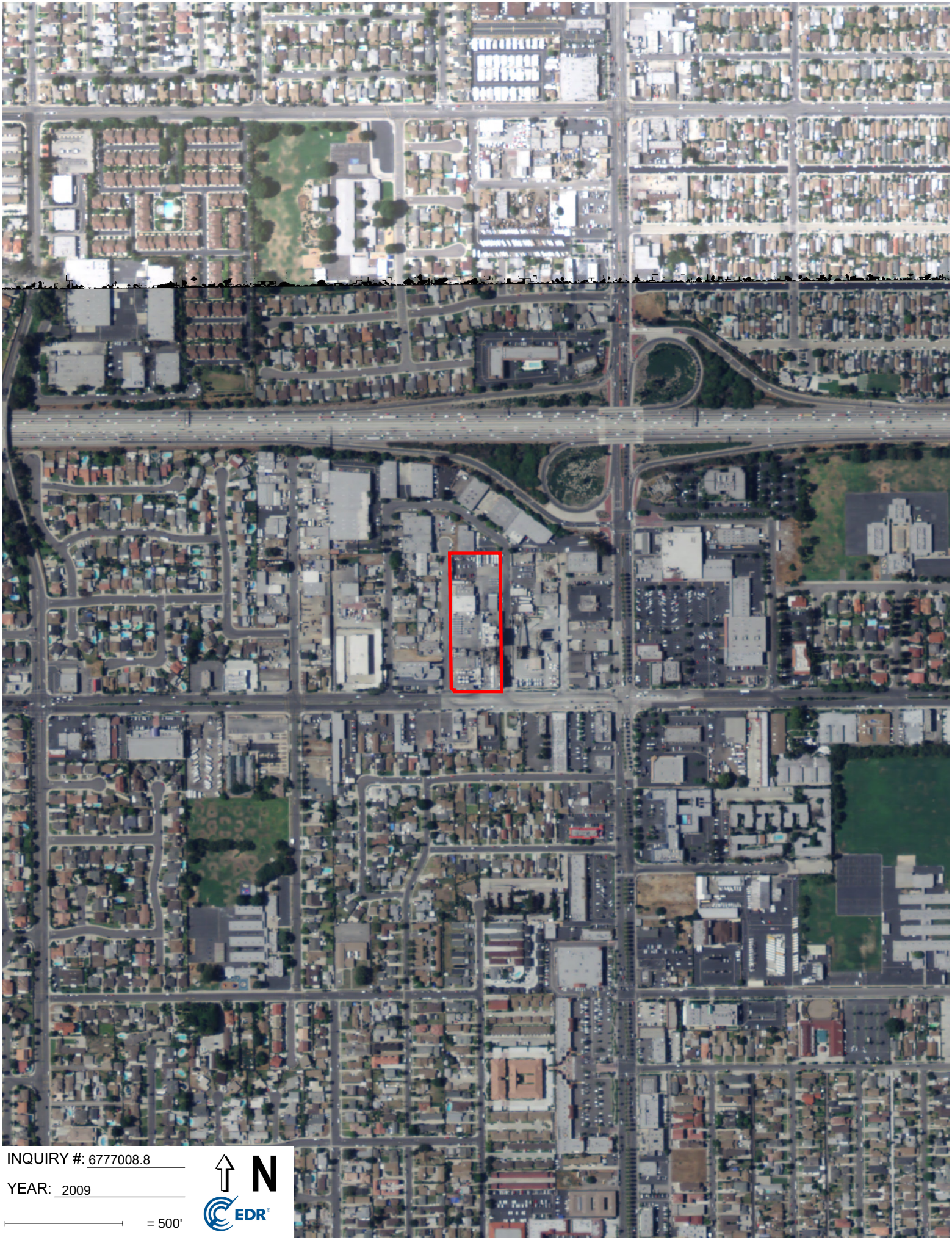
YEAR: 2016

= 500'

N

EDR

INQUIRY #: 6777008.8
YEAR: 2012
= 500'
N
EDR



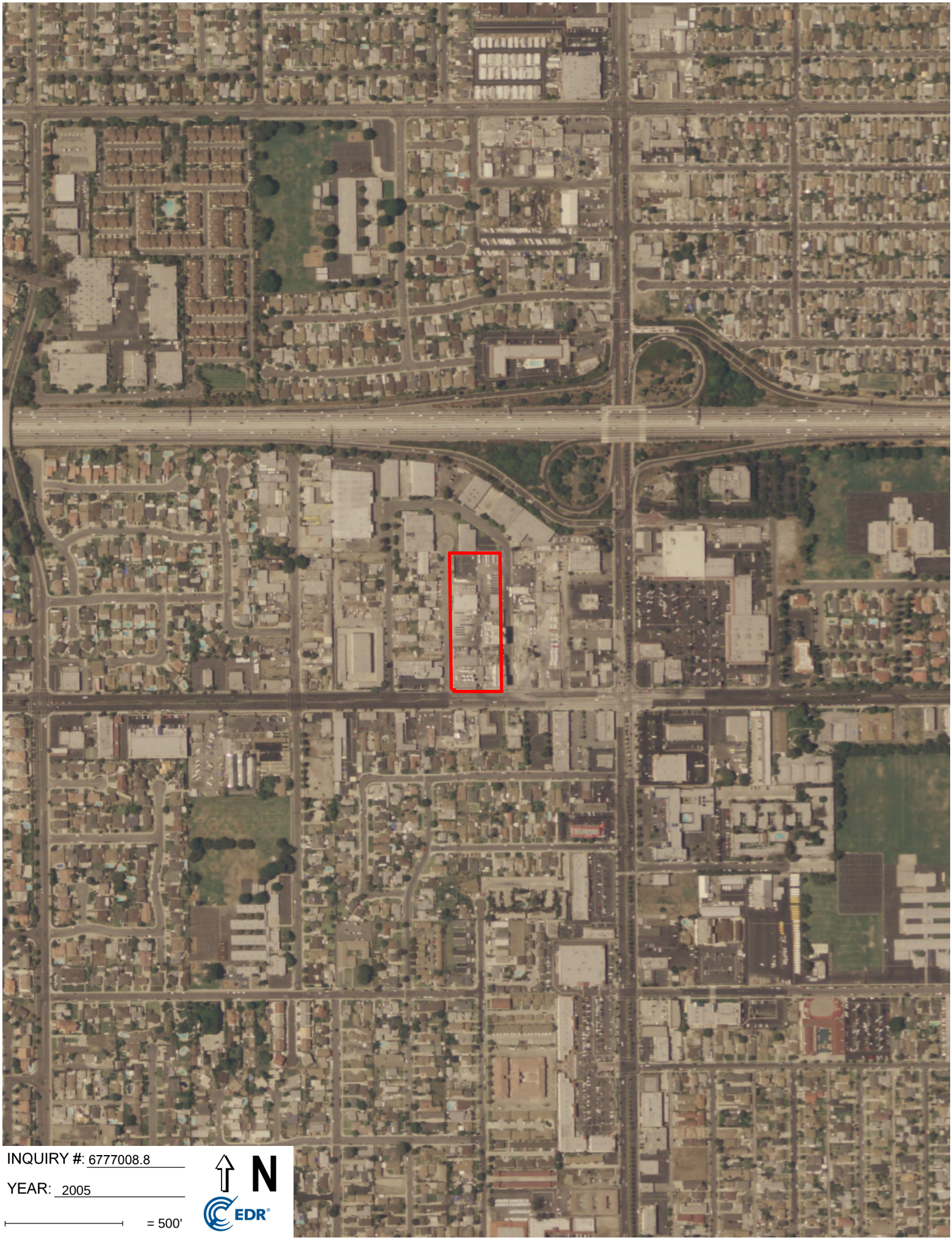
INQUIRY #: 6777008.8

YEAR: 2009

= 500'

N

EDR



INQUIRY #: 6777008.8

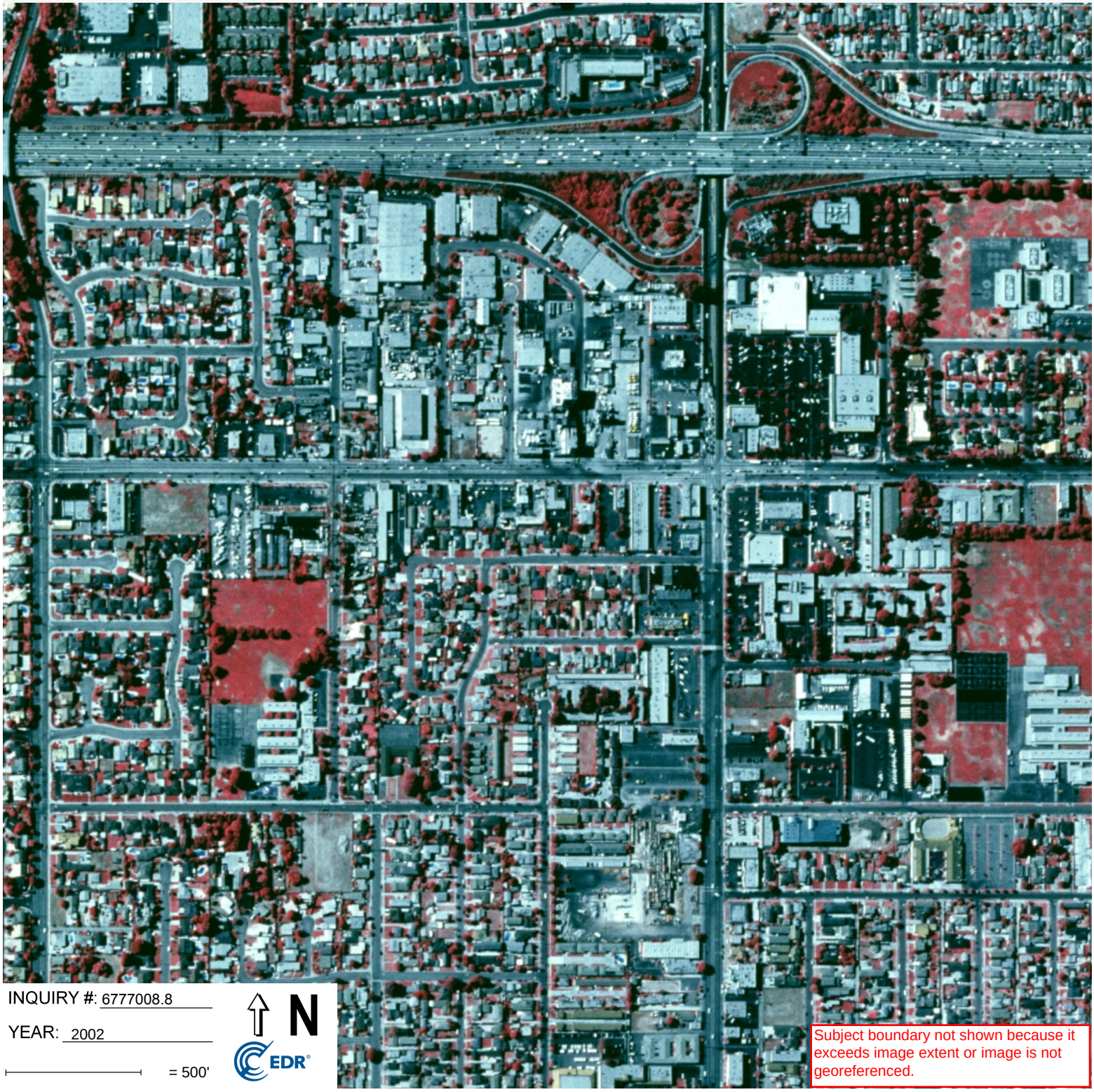
YEAR: 2005

= 500'

N

EDR

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED



INQUIRY #: 6777008.8

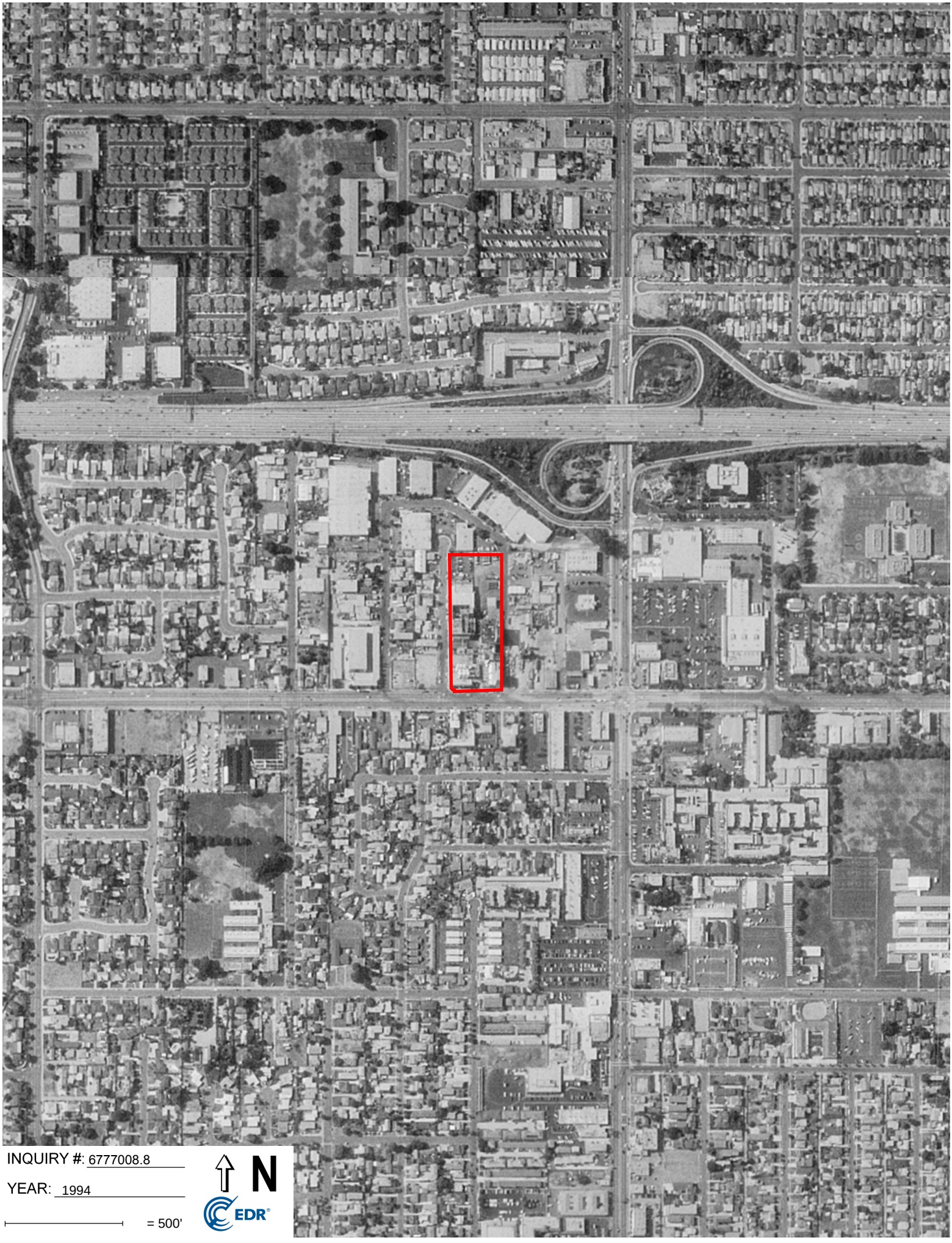
YEAR: 2002

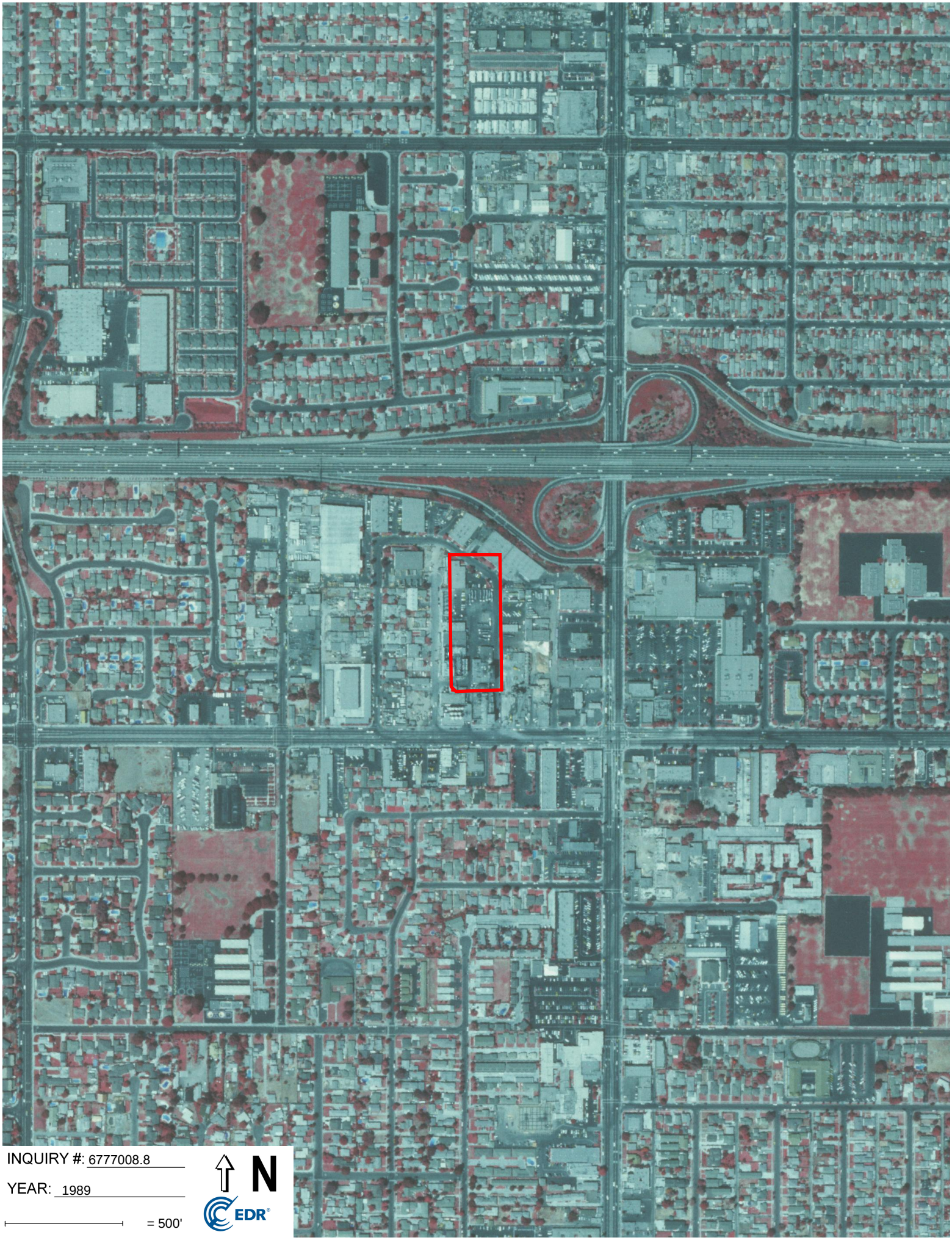
= 500'

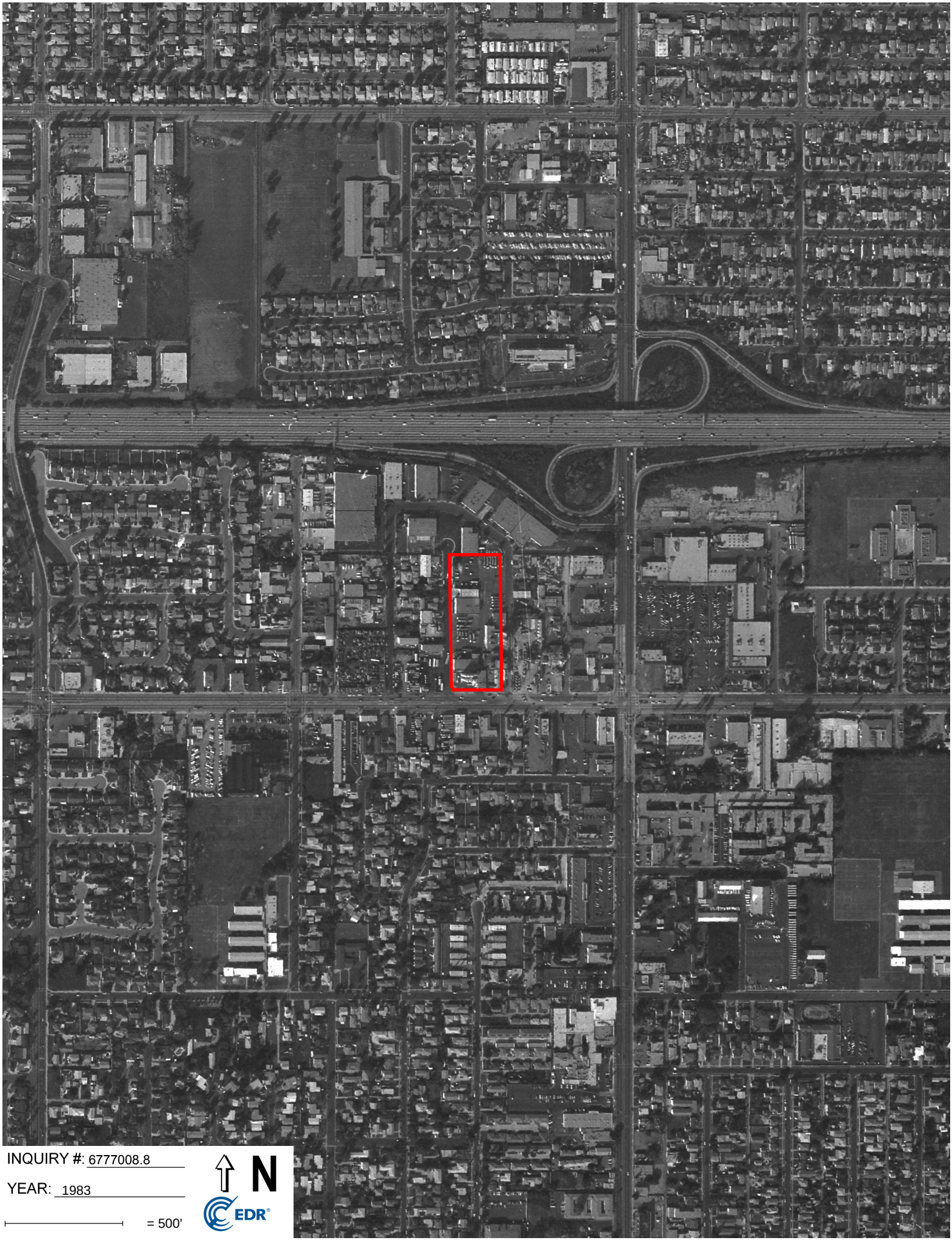
N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 6777008.8
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 6777008.8
YEAR: 1989
= 500'
N
EDR


INQUIRY #: 6777008.8
YEAR: 1983
= 500'
N
EDR

INQUIRY #: 6777008.8

YEAR: 1977

= 500'

N

EDR

INQUIRY #: 6777008.8
YEAR: 1970
= 500'
N
EDR

INQUIRY #: 6777008.8

YEAR: 1963

= 500'

N

EDR

INQUIRY #: 6777008.8
YEAR: 1952
= 500'
N
EDR

INQUIRY #: 6777008.8
YEAR: 1947
= 500'
N
EDR

INQUIRY #: 6777008.8
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 6777008.8

YEAR: 1928

= 500'

N

EDR

APPENDIX C.3
ABSTRACT OF CITY DIRECTORIES

11709 Artesia Boulevard
11709 Artesia Boulevard
Artesia, CA 90701

Inquiry Number: 6777008.5
December 07, 2021

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
infoUSA®
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	Cole Information Services	X	X	X	-
2009	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2004	Cole Information Services	-	X	X	-
	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
2000	Haines	X	X	X	-
1999	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
	Haines Company	-	-	-	-
	Haines Company	X	-	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1994	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
17115 Alburtis Ave	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

11709 Artesia Boulevard
Artesia, CA 90701

FINDINGS DETAIL

Target Property research detail.

ARTESIA BLVD

11709 ARTESIA BLVD

Year	*Uses*	*Source*
2014	CALIFORNIA DAIRIES INC	Cole Information Services
2009	CALIFORNIA MILK PRODUCERS	Cole Information Services
2006	CADAIRIESINC	Haines Company, Inc.
1999	CALIFORNIA MILK PRODUCERS MAIN PLANT	Cole Information Services
1994	CALIFORNIA MILK PRODUCERS	Cole Information Services

ARTESIA BLVD E

11709 ARTESIA BLVD E

Year	*Uses*	*Source*
2000	CA MILK PRODUCERS	Haines

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

175TH ST

11607 175TH ST

Year	Uses	Source
2014	JACOB FLIETSTRA	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	JOSEPH JEWELL	Cole Information Services

11609 175TH ST

Year	Uses	Source
2014	ISMAEL ZAMBRANO	Cole Information Services
2009	FELIX MORENO	Cole Information Services
2006	MORENO Feltx	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	FELIX MORENO	Cole Information Services
1994	WILDE, RALPH E	Cole Information Services

11616 175TH ST

Year	Uses	Source
2014	JOHNNY REYES	Cole Information Services
2009	JOHNNY REYES	Cole Information Services
2006	REYESFlorenda	Haines Company, Inc.
2004	JOHNNY REYES	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	JOHNNY REYES	Cole Information Services
1994	BOSCH, GERRIT	Cole Information Services
1964	BOSCH GERRIT	Pacific Telephone

11617 175TH ST

Year	Uses	Source
2014	PATRICIA VALDEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2009	J LOWENS	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	TOMASA PEREZ	Cole Information Services
1999	J LOWENS	Cole Information Services

11619 175TH ST

Year	Uses	Source
2014	DARIN ZYLSTRA	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	ZYLSTRA Martn P	Haines Company, Inc.
2004	JEFFREY KLAASEN	Cole Information Services

11627 175TH ST

Year	Uses	Source
2014	CORAZON DALDE	Cole Information Services
2009	CORAZON DALDE	Cole Information Services
2006	DALDE Roberto	Haines Company, Inc.
2004	ROBERTO DALDE	Cole Information Services
1999	CORAZON DALDE	Cole Information Services

11629 175TH ST

Year	Uses	Source
2014	DICK APPEL	Cole Information Services
2006	APPEL Cornelius	Haines Company, Inc.
2004	CORNIE APPEL	Cole Information Services

11639 175TH ST

Year	Uses	Source
2014	GREG CAROTHERS	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	CAROTHERS	Haines Company, Inc.
	Calhenne	Haines Company, Inc.
	DELEON Maureen 562 B	Haines Company, Inc.
2004	CATHERINE CAROTHERS	Cole Information Services
1964	HIBMA CORNELIUS	Pacific Telephone

FINDINGS

11641 175TH ST

Year	Uses	Source
2014	PHILLIP GOIS	Cole Information Services
2009	EVERESTO GOIS	Cole Information Services
2006	GOISEvereslo	Haines Company, Inc.
2004	EVERESTO GOIS	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	EVERESTO GOIS	Cole Information Services
1994	GOIS, EVERSTO	Cole Information Services

11646 175TH ST

Year	Uses	Source
2014	DANIEL TADIOS	Cole Information Services
2009	DANIEL TADIOS	Cole Information Services
2006	o TADIOS Daniel	Haines Company, Inc.
2004	DANIEL TADIOS	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	DANIEL TADIOS	Cole Information Services

11647 175TH ST

Year	Uses	Source
2014	YING LIOU	Cole Information Services
2009	JONG LIOU	Cole Information Services
2006	LIOUFounIn	Haines Company, Inc.
2004	JONG LIOU	Cole Information Services
1999	JONG LIOU	Cole Information Services

11652 175TH ST

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	VEGAGustavo	Haines Company, Inc.
2004	GUSTAVO VEGA	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

11655 175TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	YOUNG CHANG	Cole Information Services
2006	o CHANG Young	Haines Company, Inc.
2004	YUNG LEE	Cole Information Services
1999	YOUNG CHANG	Cole Information Services

11702 175TH ST

Year	Uses	Source
2014	ALBERTO ABUYEN	Cole Information Services
2009	ALBERTO ABUYEN	Cole Information Services
2006	ABUYENAlberta o O	Haines Company, Inc.
2004	ALBERTO ABUYEN	Cole Information Services
1999	ALBERTO ABUYEN	Cole Information Services
1964	JONES F R	Pacific Telephone

11705 175TH ST

Year	Uses	Source
2014	TONY COUTO	Cole Information Services
2009	ANTONIO COUTO	Cole Information Services
2006	COUTO Antonio	Haines Company, Inc.
2004	ANTONIO COUTO	Cole Information Services
1999	ANTONIO COUTO	Cole Information Services

11708 175TH ST

Year	Uses	Source
2014	RUDY ARIAS	Cole Information Services
2009	BELINDA BAKER	Cole Information Services
2006	BAKER Jas R	Haines Company, Inc.
2004	JAMES BAKER	Cole Information Services
1999	BELINDA BAKER	Cole Information Services
1994	BAKER, JAMES R	Cole Information Services

FINDINGS

11711 175TH ST

Year	Uses	Source
2014	ERNEST GOVEA	Cole Information Services
2009	VANESSA GOVEA	Cole Information Services
2006	GOVEAGlon	Haines Company, Inc.
1999	VANESSA GOVEA	Cole Information Services

11714 175TH ST

Year	Uses	Source
2014	BRIAN MANOTO	Cole Information Services
2009	ALFREDO MANOTO	Cole Information Services
2006	MANOTOAlfredo	Haines Company, Inc.
2004	ALFREDO MANOTO	Cole Information Services
1999	ALFREDO MANOTO	Cole Information Services
1964	VAN EYK ARIE	Pacific Telephone

11717 175TH ST

Year	Uses	Source
2014	HECTOR PASSI	Cole Information Services
2009	HECTOR PASSI	Cole Information Services
2006	PASSI Heclor	Haines Company, Inc.
2004	HECTOR PASSI	Cole Information Services
1999	HECTOR PASSI	Cole Information Services
1994	PASSI, RHONA L	Cole Information Services

11720 175TH ST

Year	Uses	Source
2014	DAVID WEISMANTEL	Cole Information Services
2009	DAVID WEISMANTEL	Cole Information Services
2006	HAMJesus	Haines Company, Inc.
	WEISMANTEL David	Haines Company, Inc.
2004	DAVID WEISMANTEL	Cole Information Services
1999	DAVID WEISMANTEL	Cole Information Services
1964	ADEY EVERETT J	Pacific Telephone

FINDINGS

11726 175TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

11732 175TH ST

Year	Uses	Source
2014	CARLOS CORTEZ	Cole Information Services
2009	ISAIAS CORTEZ	Cole Information Services
2006	CORTEZ Isaias	Haines Company, Inc.
2004	AUSENCIO CORTEZ	Cole Information Services
1999	ROGELIO CATUIRA	Cole Information Services
	ISAIAS CORTEZ	Cole Information Services

11734 175TH ST

Year	Uses	Source
2014	NICOLE NEGRETE	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1964	ANEMA JOHN M	Pacific Telephone

11736 175TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
1994	BARAJAS, G	Cole Information Services

11738 175TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	DIA 2 Edward	Haines Company, Inc.
2004	SUSIE GUTIERREZ	Cole Information Services

FINDINGS

ALBURTIS AVE

17115 ALBURTIS AVE

Year	*Uses*	*Source*
2014	PROTECH KNIVES	Cole Information Services
2009	SHIM IT CORP	Cole Information Services

Alburtis Ave

17115 Alburtis Ave

Year	*Uses*	*Source*
2006	HEAVENSINK	Haines Company, Inc.
	SYSTEMS SHIM ITCORP	Haines Company, Inc.

ALBURTIS AVE

17115 ALBURTIS AVE

Year	*Uses*	*Source*
2004	SHIM CORP	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

Alburtis Ave

17115 Alburtis Ave

Year	*Uses*	*Source*
2000	SHIM IT CORP	Haines

ALBURTIS AVE

17115 ALBURTIS AVE

Year	*Uses*	*Source*
1999	SHIM-IT CORPORATION	Cole Information Services
	PRINT SERVICE	Cole Information Services
	SHOW OFF BUSINESS FORMS	Cole Information Services

17202 ALBURTIS AVE

Year	*Uses*	*Source*
2009	SALING CO	Cole Information Services

FINDINGS

Year	Uses	Source
2006	SAUNGCOMPANY	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	ARA MACAO INTL	Cole Information Services
1999	PACIFIC COAST LINES SERVICE INCORPORATED	Cole Information Services
1994	PAC COAST LINES DEL	Cole Information Services
1964	JOHNSON WAYNE	Pacific Telephone

17203 ALBURTIS AVE

Year	Uses	Source
1964	TUGGLE STELLA	Pacific Telephone

17212 ALBURTIS AVE

Year	Uses	Source
1964	CASTODIO MARY L	Pacific Telephone

17214 ALBURTIS AVE

Year	Uses	Source
1964	MOSS OLLA M	Pacific Telephone

17224 ALBURTIS AVE

Year	Uses	Source
2014	PREMIER FLEET MAINTENANCE INC	Cole Information Services
2009	JMC TRUCK REPAIR INC	Cole Information Services
2006	REPAIRING	Haines Company, Inc.
	JMCTRUCK	Haines Company, Inc.
2004	JMC TRUCK REPAIR INC	Cole Information Services
1999	J M C TRUCK REPAIRING	Cole Information Services
1994	JMC TRUCK REPAIRING	Cole Information Services

17268 ALBURTIS AVE

Year	Uses	Source
2009	YONG YANG	Cole Information Services
1999	YONG YANG	Cole Information Services

FINDINGS

ALBURTIS AVE S

17202 ALBURTIS AVE S

Year	Uses	Source
2000	PAC COAST LINES SERVICE INC	Haines

17214 ALBURTIS AVE S

Year	Uses	Source
2000	XXXX	Haines

17224 ALBURTIS AVE S

Year	Uses	Source
2000	CRONE John	Haines
	J M C TRUCK REPAIRING	Haines
	X JERSEY AV	Haines
	X ARTESIA BLVD	Haines

ARTESIA BLVD

11614 ARTESIA BLVD

Year	Uses	Source
2014	ALLSTATE TAX SERVICE	Cole Information Services
2009	ANNEX AUTO COLOR	Cole Information Services
	ALLSTATE TAX SERVICE	Cole Information Services
	CHARLES MORREY	Cole Information Services
2006	ALLSTATETAX	Haines Company, Inc.
	SERVICE	Haines Company, Inc.
2004	ANNEX AUTOMOTIVE COLOR	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	ALLSTATE TAX SERVICE	Cole Information Services
1994	ALLSTATE TAX SVC	Cole Information Services

11616 ARTESIA BLVD

Year	Uses	Source
2014	Z RACQUET SHOP	Cole Information Services
2009	Z RACQUET SHOP	Cole Information Services
1999	ARA FOUR CONGRESS	Cole Information Services

FINDINGS

Year	Uses	Source
1994	CORNERSTONE CHRISTIAN	Cole Information Services

11618 ARTESIA BLVD

Year	Uses	Source
2014	L & K AUTO SERVICE	Cole Information Services
	MARK HEIDE	Cole Information Services
2009	MARK HEIDE	Cole Information Services
	J & A AERIAL LIFT SERVICES	Cole Information Services
	ROGERS OPEL ENGINEERING	Cole Information Services
2006	J&AAERIALUFT	Haines Company, Inc.
	ENGINEERING	Haines Company, Inc.
	REPAIR ROGERSOPEL	Haines Company, Inc.
	SERVICE MARKS AUTO	Haines Company, Inc.
	SERVICES L&KAUTO	Haines Company, Inc.
2004	JA AERIAL LIFT SERVICE	Cole Information Services
	MARKS AUTO REPAIR	Cole Information Services
	ROGERS OPEL	Cole Information Services
	MARK HEIDE	Cole Information Services
1999	J & A AERIAL LIFT SERVICES	Cole Information Services
	MARKS AUTO REPAIR	Cole Information Services
	DEKKERS WELDING SERVICE INCORPORATED	Cole Information Services
	ROGERS OPEL ENGINEERING	Cole Information Services
	MARK HEIDE	Cole Information Services
1994	J & A AERIAL LIFT SVC	Cole Information Services
	DEKKERS WLDG SV INC	Cole Information Services
	MARKS AUTO REPAIR	Cole Information Services

11628 ARTESIA BLVD

Year	Uses	Source
2014	BELLEZZA HAIR SALON	Cole Information Services
2009	BELLEZZA HAIR SALON	Cole Information Services
2006	SASSYSCISSORS	Haines Company, Inc.
2004	SASSY SCISSORS HAIR DESIGN	Cole Information Services

FINDINGS

Year	Uses	Source
2004	BUD ROSE	Cole Information Services
	BUD ROSE	Cole Information Services
1999	SASSY SCISSORS	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	FRAMED CAT	Cole Information Services

11630 ARTESIA BLVD

Year	Uses	Source
2014	PATRICIA TECUN	Cole Information Services
	JOSABETH MEJIA	Cole Information Services
2009	VATIN RUTANARUNGSI	Cole Information Services
	NAVARRO SALES	Cole Information Services
	PATRICIA TECUN	Cole Information Services
2006	TECUN Patncia L	Haines Company, Inc.
	NAVARRO SALES	Haines Company, Inc.
2004	VATIN RUTANARUNGSI	Cole Information Services
	MANUEL RODRIGUEZ	Cole Information Services
	NAVARRO SALES	Cole Information Services
	SALES NAVARRO	Cole Information Services
1999	VATIN RUTANARUNGSI	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	PATRICIA TECUN	Cole Information Services
	NAVARRO SALES	Cole Information Services
1994	SMITS, MARVIN	Cole Information Services
	NAVARRO SALES	Cole Information Services

11632 ARTESIA BLVD

Year	Uses	Source
2006	PREMIUMCLIENTEL	Haines Company, Inc.
2004	ROXX CO	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	ARTESIA-CERRITOS HEARING AID CENTER	Cole Information Services
1994	ARTESIA CERRITOS HEARING AID	Cole Information Services

FINDINGS

Year	Uses	Source
1964	FIELD GEO DEAN & ASSOCIATES RL EST APPISRS	Pacific Telephone

11634 ARTESIA BLVD

Year	Uses	Source
2014	MANUEL RODRIGUEZ	Cole Information Services
	HANNAH FASHION	Cole Information Services
2009	HANNAH FASHION	Cole Information Services
	MANUEL RODRIGUEZ	Cole Information Services
	EVA ROSERO	Cole Information Services
2006	HANNAH FASHION	Haines Company, Inc.
	CRUZRosa	Haines Company, Inc.
	RODRIGUEZ Manuel	Haines Company, Inc.
2004	HANNAH FASHION	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	EVA ROSERO	Cole Information Services
1999	MANUEL RODRIGUEZ	Cole Information Services
	ART PLUS	Cole Information Services
	CAMERA CRAFT	Cole Information Services
	EVA ROSERO	Cole Information Services
1994	CAMERA CRAFT	Cole Information Services

11635 ARTESIA BLVD

Year	Uses	Source
2014	PUBLIC STORAGE	Cole Information Services
2009	PUBLIC STORAGE	Cole Information Services
2006	PUBLUC STORAGE	Haines Company, Inc.
	AMEZOLAChrstuna	Haines Company, Inc.
2004	ALBERTO AMEZOLA	Cole Information Services
	PUBLIC STORAGE	Cole Information Services
1999	PUBLIC STORAGE	Cole Information Services
1994	PUBLIC STORAGE	Cole Information Services

FINDINGS

11636 ARTESIA BLVD

Year	Uses	Source
2014	NAWANGOL RESTAURANT	Cole Information Services
2006	ALLTHEMEMORIES	Haines Company, Inc.
2004	OLD MEMORIES	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	MOTHERS HOUSE	Cole Information Services

11638 ARTESIA BLVD

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services

11642 ARTESIA BLVD

Year	Uses	Source
2009	NFL BUSINESS EQUIPMENT	Cole Information Services
2006	EQUIPMENT	Haines Company, Inc.
	NFLBus INESS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	TURBO TRANSPORT INCORPORATED	Cole Information Services
	N F L BUSINESS EQUIPMENT	Cole Information Services
1964	JACKSON REALTY	Pacific Telephone

11644 ARTESIA BLVD

Year	Uses	Source
2009	RADIENZE 360 PRETTY HAIR STUDIO SP	Cole Information Services
	PRETTY HAIR BEAUTY IN THE AIR SALON	Cole Information Services
2006	BEAUTY IN THE	Haines Company, Inc.
	PRETY HAIR	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	ROSE BUDS UPPER CUT	Cole Information Services
	BENNIE ROSS	Cole Information Services
1994	ALL MARK INSURANCE	Cole Information Services
	H E L P NETWORK INS	Cole Information Services

FINDINGS

Year	Uses	Source
1964	CHRISTIAN LABOR ASSN	Pacific Telephone

11645 ARTESIA BLVD

Year	Uses	Source
2014	FARSAN MART SURATI	Cole Information Services

11646 ARTESIA BLVD

Year	Uses	Source
2014	ARTESIA TEST ONLY CENTER	Cole Information Services
2009	ARTESIA TEST ONLY CENTER	Cole Information Services
2004	CHI HUA	Cole Information Services
	ARTESIA TEST ONLY CTR	Cole Information Services

11647 ARTESIA BLVD

Year	Uses	Source
2014	EG HOBBIES	Cole Information Services
2006	EG HOBBIES	Haines Company, Inc.

11648 ARTESIA BLVD

Year	Uses	Source
2014	JASPERS AUTO SERVICE	Cole Information Services
2009	JASPER AUTO SERVICE INC	Cole Information Services
2006	JASPERS AUTO	Haines Company, Inc.
	FERREIRA PEDRO	Haines Company, Inc.
	SERVICE	Haines Company, Inc.
2004	PETE FERREIRA	Cole Information Services
	JASPER AUTO SERVICE INC	Cole Information Services
1999	JASPERS AUTO SERVICE	Cole Information Services
1994	JASPERS AUTO SVC	Cole Information Services

11649 ARTESIA BLVD

Year	Uses	Source
2014	FERNANDEZ FELIPE FELIX DDS	Cole Information Services
	ARTESIA DENTAL CARE	Cole Information Services
2009	DR FELIPE FELIX FERNANDEZ DDS INC	Cole Information Services
	ARTESIA DENTAL CARE	Cole Information Services

FINDINGS

Year	Uses	Source
2006	FERNANODEZ FELIPE	Haines Company, Inc.
	FEUXDDS	Haines Company, Inc.
	ARTESIA DENTAL	Haines Company, Inc.
2004	ARTESIA DNTL CARE A DNTL PRCT	Cole Information Services

11651 ARTESIA BLVD

Year	Uses	Source
2014	JULIOS PIZZA	Cole Information Services

11654 ARTESIA BLVD

Year	Uses	Source
2006	ARTESIACAMPER	Haines Company, Inc.
	SHELLS	Haines Company, Inc.
1999	VERNS CAMPER SHELL SALES	Cole Information Services
1994	VERNS CAMPER SHELL SALES	Cole Information Services
	VERNS CMPR SHL SLS	Cole Information Services

11655 ARTESIA BLVD

Year	Uses	Source
2014	PORTUGAL IMPORTS	Cole Information Services
2006	IMPORTS	Haines Company, Inc.
	PORTUGAL	Haines Company, Inc.

11656 ARTESIA BLVD

Year	Uses	Source
2014	AVIS	Cole Information Services
	CERRITOS AUTO BODY	Cole Information Services
2009	CERRITOS AUTO COLLISION INC	Cole Information Services
2006	CERRITOSAUTO	Haines Company, Inc.
	BODY CERRITOS AUTO	Haines Company, Inc.
	AVISRENT A CAR	Haines Company, Inc.
2004	CERRITOS AUTO BODY	Cole Information Services
	WILLIAM ZYLA	Cole Information Services
1999	CERRITOS AUTO BODY	Cole Information Services
1994	CERRITOS AUTO BODY	Cole Information Services

FINDINGS

11657 ARTESIA BLVD

Year	Uses	Source
2014	STUDIOONE	Cole Information Services
2009	STUDIO ONE	Cole Information Services
2006	STUDIOONE	Haines Company, Inc.

11700 ARTESIA BLVD

Year	Uses	Source
2014	IWAKI CHIROPRACTIC	Cole Information Services
	TOGUCHI LESLIE	Cole Information Services
2009	LY THOMAS CUONGTUAN DC	Cole Information Services
	KEN IWAKI DC	Cole Information Services
	IWAKI CHIROPRACTIC	Cole Information Services
	LESLIE TOGUCHI	Cole Information Services
2006	IWAKI	Haines Company, Inc.
	CHIROPRACTIC TOGUCHILESUE	Haines Company, Inc.
2004	THOMAS LY	Cole Information Services
	IWAKI CHIROPRACTIC	Cole Information Services
1999	IWAKI CHIROPRACTIC	Cole Information Services
	LY THOMAS CUONGTUAN DC	Cole Information Services
1994	PACIFIC WEST MEDICAL GROUP	Cole Information Services
	IWAKI CHIROPRACTIC	Cole Information Services

11701 ARTESIA BLVD

Year	Uses	Source
2009	CARPET WAGON INC	Cole Information Services

11702 ARTESIA BLVD

Year	Uses	Source
2009	LUCKY DE BON	Cole Information Services

11704 ARTESIA BLVD

Year	Uses	Source
1999	CORAL MORTGAGE SERVICES INCORPORATED	Cole Information Services
1994	LEELDER & ASSOC	Cole Information Services

FINDINGS

Year	Uses	Source
1994	CORAL MORTGAGE INC	Cole Information Services

11706 ARTESIA BLVD

Year	Uses	Source
2014	EVANS MICHAEL INSURANCE AGENCY	Cole Information Services
	FARMERS INSURANCE GROUP	Cole Information Services
2009	EVANS MICHAEL	Cole Information Services
2006	SNODGRASS	Haines Company, Inc.
	AGENCY	Haines Company, Inc.
	AGENCY TRAVIS	Haines Company, Inc.
	INSURANCE	Haines Company, Inc.
	EVANS MICHAEL	Haines Company, Inc.
2004	TRAVIS SNODGRASS	Cole Information Services
	S REED	Cole Information Services
1999	SNODGRASS TRAVIS INS	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	FARMERS INSURANCE GROUP	Cole Information Services
1994	TRAVIS SNODGRASS	Cole Information Services
	FARMERS INSURANCE GROUP	Cole Information Services

11708 ARTESIA BLVD

Year	Uses	Source
2014	NEW DIMENSION TAX & ACCOUNTING SERVI	Cole Information Services
2006	New DMNSNTAX&	Haines Company, Inc.
	MASIGLARP	Haines Company, Inc.
	ACCTNG SERV	Haines Company, Inc.
2004	CLINICAL PHRMCLGCL STDY	Cole Information Services
	BELLFLOWER AUTOMOTIVE INC	Cole Information Services
	RUDY MASIGLA	Cole Information Services
	SEMA INVESTMENTS	Cole Information Services
1999	RENDEZVOUS ESCROW SERVICES	Cole Information Services
1994	RENDEZVOUS ESCROW SVC	Cole Information Services

FINDINGS

11712 ARTESIA BLVD

Year	Uses	Source
2014	ANTHONY DUONG	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	ELTEGONDE Philip	Haines Company, Inc.
	JAE Young Sook	Haines Company, Inc.
2004	HARVEEN KAUR	Cole Information Services
	YOUNG JAE	Cole Information Services
1999	YOLANDA MACIAS	Cole Information Services
1994	NYLEN, DAVE	Cole Information Services

11714 ARTESIA BLVD

Year	Uses	Source
2014	ROLANDO PEPITO	Cole Information Services
2009	PILIPINAS PEPITO	Cole Information Services
2006	ALEJANDRO Lydia	Haines Company, Inc.
2004	LYDIA ALEJANDRO	Cole Information Services
1999	PILIPINAS PEPITO	Cole Information Services
1994	NFL BUSINESS EQUIPMENT	Cole Information Services

11725 ARTESIA BLVD

Year	Uses	Source
2014	UNITED READY MIXED CONCRETE CO INC	Cole Information Services
	NATIONAL READY MIXED CONCRETE CO	Cole Information Services
2009	UNITED READY MIXED CONCRETE CO	Cole Information Services
2006	NATLREADYMIXED	Haines Company, Inc.
	CNCRTE CO INC	Haines Company, Inc.
	CNCRTE CO INC UHITRDY MXD	Haines Company, Inc.
	CNCRTECOINC UNITD READY	Haines Company, Inc.
	MIXED CO INC	Haines Company, Inc.
	UNITD READY MXD	Haines Company, Inc.
	CONCRETECO UNITD RDY MXD	Haines Company, Inc.
1999	UNITED READY MIXED CONCRETE COMPANY INCORPORATED	Cole Information Services
1994	UNITD READY MIXED	Cole Information Services

FINDINGS

Year	Uses	Source
1994	UNITED CONCRETE CO	Cole Information Services
1976	Artesla Plant	Pacific Telephone
	UNITED READY MIXED CONCRETE	Pacific Telephone

11729 ARTESIA BLVD

Year	Uses	Source
1964	UNITED READY MIXED CONCRETE	Pacific Telephone

11732 ARTESIA BLVD

Year	Uses	Source
2014	ALBERTOS MEXICAN FOOD	Cole Information Services
2009	WENDYS INTERNATIONAL INC	Cole Information Services
2006	INTERNATL	Haines Company, Inc.
	WENDYS	Haines Company, Inc.
2004	WENDYS INTERNATIONAL INC	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	WENDYS INTERNATL	Cole Information Services
1994	WENDYS	Cole Information Services

11734 ARTESIA BLVD

Year	Uses	Source
2014	MIRAE WELLNESS CLINIC	Cole Information Services
2009	CHOI CHIROPRACTIC CLINIC INC	Cole Information Services
	LUCKY DEBON COSMETICS	Cole Information Services
2006	CHIROPRACTIC	Haines Company, Inc.
	CUNIC	Haines Company, Inc.
	LUCKY DEBON	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	NARA CHIROPRACTIC CLINIC INC	Cole Information Services
1999	BEST CHIROPRACTIC CLINIC	Cole Information Services
1994	CHOI CHIROPRACTIC CLINIC	Cole Information Services

11735 ARTESIA BLVD

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

Year	Uses	Source
1999	VERHOEVEN GEORGE FEED COMPANY INCORPORATED	Cole Information Services
	J W J TRANSPORTATION INCORPORATED	Cole Information Services
1994	GEORGE VERHOEVEN FEED CO	Cole Information Services

11736 ARTESIA BLVD

Year	Uses	Source
2014	SUNSET CELLULAR	Cole Information Services
2004	K SONG	Cole Information Services
	SIM SUNG	Cole Information Services
1999	NEW YORK BAKERY	Cole Information Services
1994	NEW YORK BAKERY	Cole Information Services

11738 ARTESIA BLVD

Year	Uses	Source
2014	HAIR TECH	Cole Information Services
	CASUAL NEWS	Cole Information Services
2009	FASHION NEWS	Cole Information Services
	HAIR TECH	Cole Information Services
	CASUAL NEWS	Cole Information Services
2006	HAIRTECH	Haines Company, Inc.
	CASUALNEWS	Haines Company, Inc.
2004	CASUAL NEWS	Cole Information Services
	N FASHION	Cole Information Services
1999	MIMIS BEAUTY SALON	Cole Information Services
	FASHION NEWS	Cole Information Services
1994	FASHION NEWS	Cole Information Services
	BIOGIME SKIN CARE	Cole Information Services
	MIMIS BEAUTY SALON	Cole Information Services
	STARS PAINTING CO	Cole Information Services

11740 ARTESIA BLVD

Year	Uses	Source
2014	LITTLE SANTONG	Cole Information Services
2009	LITTLE SANTONG	Cole Information Services

FINDINGS

Year	Uses	Source
2006	LITTLE SANTONG	Haines Company, Inc.
2004	YE DANG TOFU HOUSE	Cole Information Services
	TOFU MANNA	Cole Information Services
1994	TIAN JIN DUMPLING HOUSE	Cole Information Services

11742 ARTESIA BLVD

Year	Uses	Source
2006	HAPPY KIDS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	HANLIM ACUPUNCTURE CLINIC	Cole Information Services
1994	HANLIM ACUPUNCTURE CLINIC	Cole Information Services

11744 ARTESIA BLVD

Year	Uses	Source
2014	WOORI SHOPPING	Cole Information Services
2006	VIDEO STARS	Haines Company, Inc.
2004	VIDEO STARS	Cole Information Services
	STARS VIDEO	Cole Information Services
1999	VIDEO STARS	Cole Information Services
1994	VIDEO STARS	Cole Information Services

11746 ARTESIA BLVD

Year	Uses	Source
2014	HWANG HAE DOH	Cole Information Services
2006	HWANGHAEDOH	Haines Company, Inc.
2004	HWANG HAE DOH	Cole Information Services
	HAE HWANG	Cole Information Services
1994	HWANG, HAE	Cole Information Services
	HWANG HAE DOH	Cole Information Services

11748 ARTESIA BLVD

Year	Uses	Source
2014	GOSPEL BOOK & CHURCH SUPPLIES	Cole Information Services
2009	HWANG HAE DOH	Cole Information Services
2006	CHURCH SUPPLIES	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	GOSPELBOOK&	Haines Company, Inc.
2004	GOSPEL BOOK & CHURCH SUPPLIES	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	TIAN JIN DUMPLING HOUSE	Cole Information Services
	GOSPEL BOOK & CHURCH SUPPLI IIES	Cole Information Services
	TIAN JIN RESTAURANT	Cole Information Services
1994	GOSPEL BOOK & CHURCH SUPPLIES	Cole Information Services

11749 ARTESIA BLVD

Year	Uses	Source
2014	ARTESIA COINOP AUTO SPA	Cole Information Services
2009	ARTESIA COIN OPERATED AUTO SPA	Cole Information Services
2006	DETAIL	Haines Company, Inc.
	AUTO SPA LET IT SHINE	Haines Company, Inc.
	ARTESIACOIN OP	Haines Company, Inc.
	CUSTOM ATO	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	ARTESIA COIN OP AUTO SPA	Cole Information Services
1999	LET IT SHINE CUSTOM AUTO DETAIL	Cole Information Services
	ARTESIA COIN OP AUTO SPA	Cole Information Services
1994	LET IT SHINE CUSTOM AUTO DTL	Cole Information Services
	ARTESIA COIN OP AUTO SPA	Cole Information Services

11750 ARTESIA BLVD

Year	Uses	Source
2014	SEOUL SOONDAE	Cole Information Services
2009	SEOUL SOONDAE RESTAURANT	Cole Information Services
	GOSPEL BOOK & CHURCH SUPPLIES	Cole Information Services
2006	SEOULSoondae	Haines Company, Inc.
2004	SEOUL SOONDAE RESTAURANT	Cole Information Services
	TN WIRELESS	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	WESTLAND REALTY	Cole Information Services
1994	WESTLAND REALTY	Cole Information Services

FINDINGS

Year	Uses	Source
1994	SEOUL, SOONDAE	Cole Information Services

11752 ARTESIA BLVD

Year	Uses	Source
1999	H & H CARPETS & INTERIORS	Cole Information Services

11754 ARTESIA BLVD

Year	Uses	Source
2014	HANMI BANK	Cole Information Services
	KOEUN PRINTING	Cole Information Services
	MORNING GLORY	Cole Information Services
	TCL LOCKSMITH	Cole Information Services
2009	MORNING GLORY	Cole Information Services
	HANMI BANK	Cole Information Services
	KOEUN PRINTING CO	Cole Information Services
	BANK HANMI	Cole Information Services
2006	MORNINGGLORY	Haines Company, Inc.
	KOEUN PRINTING	Haines Company, Inc.
	HANMIBANK	Haines Company, Inc.
2004	MORNING GLORY	Cole Information Services
	HANMI BANK	Cole Information Services
	GLORY MORNING	Cole Information Services
	KOEUN PRINTING CO	Cole Information Services
1999	RAINBOW SHOES	Cole Information Services
	HAPPY KIDS	Cole Information Services
	MORNING GLORY	Cole Information Services
	BANK HANMI	Cole Information Services
	KOEUN PRINTING	Cole Information Services
	KOEUN PRINTING COMPANY	Cole Information Services
	FIRST GLOBAL SAVINGS BANK	Cole Information Services
1994	RAINBOW SHOES	Cole Information Services
	FIRST GLOBAL BANK FSB	Cole Information Services
	GAYABANG	Cole Information Services
	H & H CONSTRUCTION	Cole Information Services

Year	Uses	Source
1994	KOEUN PRINTING	Cole Information Services

11756 ARTESIA BLVD

Year	Uses	Source
2009	ROI INTERNATIONAL CORP	Cole Information Services
2006	FOUNDATION	Haines Company, Inc.
	ABC SCHOOL	Haines Company, Inc.
2004	ABC SCHOOL DIST BOARD MEMB	Cole Information Services
1999	MALL ENGINEERING CONSULTANT	Cole Information Services
	BEYAZ & PATEL INCORPORATED	Cole Information Services
	ORANGE DRIVING SCHOOL	Cole Information Services
1994	BEYAZ & PATEL INC	Cole Information Services
	ALLSTATE FINANCIAL CO	Cole Information Services
	COMPLETE PROPERTY SVC	Cole Information Services
	MALI ENGINEERING CONSLNT	Cole Information Services
	ORANGE DRIVING SC	Cole Information Services
	ORANGE DRIVING & TRAFFIC SCHL	Cole Information Services

11634 1/2 ARTESIA BLVD

Year	Uses	Source
1964	ZUIDEMA SAM	Pacific Telephone

ARTESIA BLVD E

11614 ARTESIA BLVD E

Year	Uses	Source
2000	ALLSTATE TAX SERVICE	Haines

11616 ARTESIA BLVD E

Year	Uses	Source
2000	XXXX	Haines

11618 ARTESIA BLVD E

Year	Uses	Source
2000	J & A AERIAL LIFT SRV	Haines
	ROGERS OPEL ENGINEERING	Haines

Year	Uses	Source
2000	MARKS AUTO REPAIR	Haines
	DEKKERS WELDING SERVICE INC	Haines

11628 ARTESIA BLVD E

Year	Uses	Source
2000	SASSY SCISSORS	Haines

11630 ARTESIA BLVD E

Year	Uses	Source
2000	NAVARRO SALES	Haines

11632 ARTESIA BLVD E

Year	Uses	Source
2000	ARTESIACERRITOS HRNG AID CT	Haines

11634 ARTESIA BLVD E

Year	Uses	Source
2000	DIAMOND WIRELESS	Haines

11635 ARTESIA BLVD E

Year	Uses	Source
2000	PUBLIC STORAGE	Haines

11636 ARTESIA BLVD E

Year	Uses	Source
2000	OLD MEMORY	Haines
	OCARDOSO Ercillo	Haines

11638 ARTESIA BLVD E

Year	Uses	Source
2000	CAROOSO Ercilio	Haines

11642 ARTESIA BLVD E

Year	Uses	Source
2000	N F L BUSINESS EQUIPMENT	Haines

FINDINGS

11644 ARTESIA BLVD E

Year	Uses	Source
2000	ROSE BUD SUPPER CUT	Haines

11645 ARTESIA BLVD E

Year	Uses	Source
2000	XXXX	Haines

11646 ARTESIA BLVD E

Year	Uses	Source
2000	SMOG ONLY	Haines

11648 ARTESIA BLVD E

Year	Uses	Source
2000	JASPERS AUTO SERVICE	Haines
	1/2 FERREIRA Pedro	Haines

11654 ARTESIA BLVD E

Year	Uses	Source
2000	XXXX	Haines

11655 ARTESIA BLVD E

Year	Uses	Source
2000	XXXX	Haines

11656 ARTESIA BLVD E

Year	Uses	Source
2000	CERRITOS AUTO BODY	Haines

11700 ARTESIA BLVD E

Year	Uses	Source
2000	ARTESIA BLVD E 90701 CONT	Haines
	IWAKI CHIROPRACTIC	Haines

11702 ARTESIA BLVD E

Year	Uses	Source
2000	XXXX	Haines

FINDINGS

11704 ARTESIA BLVD E

Year	Uses	Source
2000	D L P ENTERPRISES	Haines
	YOUNG Sook	Haines
	CORAL MORTGAGE SERVICES INC	Haines

11706 ARTESIA BLVD E

Year	Uses	Source
2000	SNODGRASS TRAVIS INS	Haines
	FARMERS INS AGENT	Haines

11708 ARTESIA BLVD E

Year	Uses	Source
2000	RENDEZVOUS ESCRW SV	Haines

11712 ARTESIA BLVD E

Year	Uses	Source
2000	1/2 LARA Mario	Haines
	JAE Young Sook	Haines

11714 ARTESIA BLVD E

Year	Uses	Source
2000	MILLER Jay	Haines

11725 ARTESIA BLVD E

Year	Uses	Source
2000	UNITD READY MXD CNCRTE CO INC	Haines

11732 ARTESIA BLVD E

Year	Uses	Source
2000	WENDYS INTERNATL	Haines

11734 ARTESIA BLVD E

Year	Uses	Source
2000	BEST CHIROPRACTIC CLINIC	Haines
	1/2 LUCKY Debon 562 B	Haines

FINDINGS

11735 ARTESIA BLVD E

Year	Uses	Source
2000	VERHOEVEN GEORGE FEED CO INC	Haines
	J W J TRANSPORTATION INC	Haines

11736 ARTESIA BLVD E

Year	Uses	Source
2000	NY BAKERY	Haines

11738 ARTESIA BLVD E

Year	Uses	Source
2000	MIMIS BEAUTY SALON	Haines

11740 ARTESIA BLVD E

Year	Uses	Source
2000	MANNA TOFU	Haines

11742 ARTESIA BLVD E

Year	Uses	Source
2000	HAPPY KIDS	Haines

11744 ARTESIA BLVD E

Year	Uses	Source
2000	VIDEO STARS	Haines

11746 ARTESIA BLVD E

Year	Uses	Source
2000	HWANG HAE DOH	Haines

11748 ARTESIA BLVD E

Year	Uses	Source
2000	GOSPEL BOOK & CHURCH SUPPLIES	Haines
	TIAN JIN DMPLNG HS	Haines
	1/2 TIAN JIN RESTAURANT	Haines

11749 ARTESIA BLVD E

Year	Uses	Source
2000	COALE How ard	Haines

Year	Uses	Source
2000	LETIT SHINE CUSTOM ATO DETAIL	Haines
	ARTESIA COIN OP AUTO SPA	Haines

11750 ARTESIA BLVD E

Year	Uses	Source
2000	1/2 SEOUL Soondae	Haines
	WESTLAND REALTY	Haines

11752 ARTESIA BLVD E

Year	Uses	Source
2000	EMMONS Hollis	Haines

11754 ARTESIA BLVD E

Year	Uses	Source
2000	KOEUN PRINTING	Haines
	MORNING GLORY	Haines
	HANMI BANK	Haines

11756 ARTESIA BLVD E

Year	Uses	Source
2000	MALI ENGINEERING	Haines
	BEYAZ & PATEL INC	Haines
	ORANGE DRIVING SCHOOL	Haines

CORBY AVE

17203 CORBY AVE

Year	Uses	Source
2014	CITY OF ARTESIA PUBLIC WORKS	Cole Information Services
2006	a VANESSENGary	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1964	ASSOCIATED EQUIPT RENTALS	Pacific Telephone

17215 CORBY AVE

Year	Uses	Source
2009	PERRY ART	Cole Information Services
2006	PERRY ART	Haines Company, Inc.

FINDINGS

Year	Uses	Source
1994	PERRY, ART	Cole Information Services
1964	FINDERS AUTOMOTIVE	Pacific Telephone

17221 CORBY AVE

Year	Uses	Source
1999	BOBS MACHINE SHOP INCORPORATED	Cole Information Services
1994	BOBS MACHINE SHOP	Cole Information Services

CORBY AVE S

17203 CORBY AVE S

Year	Uses	Source
2000	XXXX	Haines

17215 CORBY AVE S

Year	Uses	Source
2000	PERRY Art	Haines
	STEVENS Carl	Haines

17221 CORBY AVE S

Year	Uses	Source
2000	BOBS MACHINE SHOP INC	Haines
	PIERCE Richard 0 C	Haines
	X ARTESIA BLVD	Haines
	X 184TH	Haines

E ARTESIA BLVD

11725 E ARTESIA BLVD

Year	Uses	Source
1991	Artesia Plant	Pacific Bell
1990	UNITED READY MIXED CONCRETE CO INC	Pacific Bell
1986	UNITED READY MIXED CONCRETE CO INC	Pacific Bell
1985	Artesia Plant	Pacific Bell
1981	UNITED READY MIXED CONCRETE CO INC	Pacific Telephone
1980	Artesia Plant	Pacific Telephone

FINDINGS

FLALLON AVE

17203 FLALLON AVE

Year	Uses	Source
2006	STRONGBOX	Haines Company, Inc.
	INDUSTRIES	Haines Company, Inc.
2004	STRONGBOX INDUSTRIES	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	STRONGBOX INDUSTRIES	Cole Information Services
1994	STRONGBOX INDUSTRIES	Cole Information Services

17212 FLALLON AVE

Year	Uses	Source
1964	VANDERBY DWAYNE	Pacific Telephone

17213 FLALLON AVE

Year	Uses	Source
2014	KLAASJE SASBONE	Cole Information Services
2006	SASBONEAlexander	Haines Company, Inc.
1964	NIEVES RUBEN D	Pacific Telephone

17215 FLALLON AVE

Year	Uses	Source
2014	GAUTAM ARORA	Cole Information Services
2009	HARWANT ARORA	Cole Information Services
2006	ARORAHarw ant	Haines Company, Inc.
2004	HYJO HOVERCRAFT INC	Cole Information Services
1999	HARWANT ARORA	Cole Information Services
1994	MARQUEZ, MICHAEL	Cole Information Services
	FOSTER, JOHN C	Cole Information Services

17221 FLALLON AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
	EDWARD HERNANDEZ	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services

Year	Uses	Source
2009	MAXIMINO HERNANDEZ	Cole Information Services
2004	MERILIN HERNANDEZ	Cole Information Services
1999	MAXIMINO HERNANDEZ	Cole Information Services

17223 FLALLON AVE

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1964	ROBERTSON WAYNE	Pacific Telephone

17301 FLALLON AVE

Year	Uses	Source
2014	A TO Z ELECTRIC	Cole Information Services
2009	A TO Z ELECTRIC	Cole Information Services
2006	ATOZ ELECTRIC	Haines Company, Inc.
2004	RONALD MAWHINNEY	Cole Information Services
1999	A TO Z ELECTRIC	Cole Information Services
	M &S EQUIPT	Cole Information Services
1994	M & S EQUIPMENT	Cole Information Services

17306 FLALLON AVE

Year	Uses	Source
1999	N R G POWER OPERATIONS	Cole Information Services
	O BRIEN CALIFORNIA COGENERATIONS LIMITED	Cole Information Services
1994	STEWART & STEVENSON OPER INC	Cole Information Services

17307 FLALLON AVE

Year	Uses	Source
2006	a VINKAudley	Haines Company, Inc.
2004	GREENWAY LANDSCAPE	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	GREENWAY LANDSCAPE	Cole Information Services
1994	GREENWAY LANDSCAPE	Cole Information Services

FINDINGS

Year	Uses	Source
1964	GONZALVES DAVID	Pacific Telephone

17313 FLALLON AVE

Year	Uses	Source
2014	HECTOR RODRIGUEZ	Cole Information Services
	JOSE BANUELOS	Cole Information Services
	JOSE ROMANO	Cole Information Services
2009	JOSE ROMANO	Cole Information Services
	ANTONIO COUTO	Cole Information Services
2006	NARANJOAlberlo	Haines Company, Inc.
	ROMANOJuan	Haines Company, Inc.
2004	JUAN ROMANO	Cole Information Services
1999	JOSE ROMANO	Cole Information Services
	SIMON ROSALES	Cole Information Services
	ANTONIO COUTO	Cole Information Services

17315 FLALLON AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
	SONIA BARRETO	Cole Information Services
2006	BARRETOSonia	Haines Company, Inc.
2004	ALICIA BARRETO	Cole Information Services
1999	MARTHA MARTIN	Cole Information Services
	SONIA BARRETO	Cole Information Services

17317 FLALLON AVE

Year	Uses	Source
2014	ALBERTO NARANJO	Cole Information Services
2009	ANTONIA MENDEZ	Cole Information Services
2004	ANTONIA NARANJO	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	ANTONIA MENDEZ	Cole Information Services
1994	MURILLO, ARMANDO	Cole Information Services

FINDINGS

17313 1/2 FLALLON AVE

Year	*Uses*	*Source*
1964	ROEBUCK ERNEST	Pacific Telephone

FLALLON AVE S

17203 FLALLON AVE S

Year	*Uses*	*Source*
2000	RUTLEDGE Michael	Haines
	STRONGBOX INDUSTRIE	Haines

17210 FLALLON AVE S

Year	*Uses*	*Source*
2000	XXXX	Haines

17212 FLALLON AVE S

Year	*Uses*	*Source*
2000	XXXX	Haines

17213 FLALLON AVE S

Year	*Uses*	*Source*
2000	SASBONE Alexander	Haines

17215 FLALLON AVE S

Year	*Uses*	*Source*
2000	BERTRAND Joseph	Haines

17221 FLALLON AVE S

Year	*Uses*	*Source*
2000	WHEELER Phillip	Haines

17300 FLALLON AVE S

Year	*Uses*	*Source*
2000	XXXX	Haines

17301 FLALLON AVE S

Year	*Uses*	*Source*
2000	A TO Z ELE	Haines

FINDINGS

17302 FLALLON AVE S

Year	Uses	Source
2000	XXXX	Haines

17306 FLALLON AVE S

Year	Uses	Source
2000	OBRIEN C A COGENERATIONS LTD	Haines
	N R G POWER OPERA	Haines

17307 FLALLON AVE S

Year	Uses	Source
2000	GREENWAY LANDSCAPE 562 M	Haines
	VINK Audley 00 C	Haines

17309 FLALLON AVE S

Year	Uses	Source
2000	XXXX	Haines

17313 FLALLON AVE S

Year	Uses	Source
2000	COUTO Antonio	Haines
	ROMANO Juan	Haines

17317 FLALLON AVE S

Year	Uses	Source
2000	XXXX	Haines

JERSEY AVE

17105 JERSEY AVE

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services

17110 JERSEY AVE

Year	Uses	Source
2014	CAL PLATE	Cole Information Services
2009	CAL PLATE	Cole Information Services
	AIRMARK CO	Cole Information Services

FINDINGS

Year	Uses	Source
2006	CALPLATE	Haines Company, Inc.
2004	CAL PLATE	Cole Information Services
	AIRMARK CO	Cole Information Services
	PLATE CAL	Cole Information Services
1999	AIRMARK COMPANY	Cole Information Services
	CAL PLATE	Cole Information Services
1994	CAL PLATE	Cole Information Services

17115 JERSEY AVE

Year	Uses	Source
2014	EP CONTAINER	Cole Information Services
	EP CONTAINER CORPORATION	Cole Information Services
	WESTPORT REALITY INC	Cole Information Services
2009	OLEA EXHIBITS & DISPLAY INC	Cole Information Services
	OLEA KIOSKS	Cole Information Services
2006	OLE	Haines Company, Inc.
	EXHIBITSDISPLAYS	Haines Company, Inc.
2004	FERNANDO OLEA	Cole Information Services
	OLEA EXHIBITS & DISPLAYS INC	Cole Information Services
1999	COUNTERTOP MARKETING INTERNATIONAL	Cole Information Services
	CALIFORNIA DESIGN CENTER	Cole Information Services
	OLEA EXHIBITS DISPLAYS INCORPORATED	Cole Information Services
1994	CA DESIGN CENTER	Cole Information Services
	OLEA EXHIBITS DISPLAYS INC	Cole Information Services

17202 JERSEY AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	JUAN SANCHEZ	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	SERGIO PERALES	Cole Information Services
	CRUZ FABIAN	Cole Information Services
1999	JUAN SANCHEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

17204 JERSEY AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	RODRIGO GARCIA	Cole Information Services
2006	CABRERA Milllan	Haines Company, Inc.
2004	MARIA ARCE	Cole Information Services
1999	RODRIGO GARCIA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

17206 JERSEY AVE

Year	Uses	Source
2014	ERICK ROMERO	Cole Information Services
2009	MARIA RIVERA	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	GABY LOPEZ	Cole Information Services
1999	JOAQUIN ROSALES	Cole Information Services
	MARIA RIVERA	Cole Information Services
1994	GAETA, D	Cole Information Services

17207 JERSEY AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	IRENE KRAMER	Cole Information Services
2006	CHAIGaly	Haines Company, Inc.
1999	IRENE KRAMER	Cole Information Services

17209 JERSEY AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services

17210 JERSEY AVE

Year	Uses	Source
2009	CALIFORNIA CHEMICAL CO	Cole Information Services

FINDINGS

Year	Uses	Source
2009	CALIFORNIA POOL & CHEM SERVICES	Cole Information Services
2006	VAN ESSEN Rachel	Haines Company, Inc.

17211 JERSEY AVE

Year	Uses	Source
2014	JOSE REYES	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	PINEDORober	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	REYES, JOSE	Cole Information Services
1964	VERNON JACKSON	Pacific Telephone

17214 JERSEY AVE

Year	Uses	Source
2014	LOURD PULIDO	Cole Information Services
2006	a BARAJAS Pascual	Haines Company, Inc.

17215 JERSEY AVE

Year	Uses	Source
2014	TONY PINEDO	Cole Information Services
2009	ERICK ROMERO	Cole Information Services
2006	PINEDOTony	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	ERICK ROMERO	Cole Information Services

17216 JERSEY AVE

Year	Uses	Source
2014	JUAN BARAJAS	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

17219 JERSEY AVE

Year	*Uses*	*Source*
2014	DARSHAN SINGH	Cole Information Services
2009	FORKLIFT UNLIMITED	Cole Information Services
	GREGORIO LOPEZ	Cole Information Services
2006	FORKLIFT	Haines Company, Inc.
	UNLIMITED	Haines Company, Inc.
	LOPEZGregono	Haines Company, Inc.
2004	FORKLIFT UNLIMITED	Cole Information Services
	PEDRO LOPEZ	Cole Information Services
1999	FORKLIFT UNLIMITED	Cole Information Services
	GREGORIO LOPEZ	Cole Information Services
1994	LOPEZ, PEDRO M	Cole Information Services

17220 JERSEY AVE

Year	*Uses*	*Source*
2014	ANYTIME ANYWHERE EMERGENCY LOCKSMITH	Cole Information Services
2006	QUALITY CONSTR&	Haines Company, Inc.
	DEVLP VICTORY BUILDERS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services

17223 JERSEY AVE

Year	*Uses*	*Source*
2014	GUARDIAN FENCE COMPANY	Cole Information Services
	GUARDIAN FENCE INC	Cole Information Services
2009	GUARDIAN FENCE CO	Cole Information Services
2006	GUARDIAN FENCE	Haines Company, Inc.
	CO GUARDIAN FENCE	Haines Company, Inc.
	CO GUARDIAN FENCE	Haines Company, Inc.
	CO INDEP CARRIERS	Haines Company, Inc.
2004	RENEGADE TEMPORARY FENCE	Cole Information Services
1994	CERRITOS MFG & REPAIR	Cole Information Services

FINDINGS

17226 JERSEY AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	No Current Listing	Haines Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	ROADWAY TOWING	Cole Information Services
	INTERNATL EXECUTIVE INCORPORATED	Cole Information Services
	QUEENS LIENS	Cole Information Services
1994	QUEENS LIENS	Cole Information Services
	ROADWAY USA	Cole Information Services
1964	JONES JOHN W	Pacific Telephone

17227 JERSEY AVE

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	L & H FOODS INCORPORATED	Cole Information Services
1994	L & H FOODS INC	Cole Information Services
	SALAD WORKS	Cole Information Services

17304 JERSEY AVE

Year	Uses	Source
2014	ARTURO VERGARA	Cole Information Services
2009	ARTURO VERGARA	Cole Information Services
2006	VERGARA Arturo	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	ARTURO VERGARA	Cole Information Services

17310 JERSEY AVE

Year	Uses	Source
2014	PEDRO RODRIGUEZ	Cole Information Services
	ARNULFO SANDOVAL	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2009	PABLO RUBIO	Cole Information Services

FINDINGS

Year	Uses	Source
2009	ARNULFO SANDOVAL	Cole Information Services
	PEDRO RODRIGUEZ	Cole Information Services
2006	RU 8 BIOPablo	Haines Company, Inc.
	RODRIGUEZ Pedro	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	PABLO RUBIO	Cole Information Services
	ARNULFO SANDOVAL	Cole Information Services
	PEDRO RODRIGUEZ	Cole Information Services
1994	RODRIGUEZ, PEDRO	Cole Information Services

17312 JERSEY AVE

Year	Uses	Source
2014	SALVADOR RODRIGUEZ	Cole Information Services
	OSCAR CRUZ	Cole Information Services
2004	ROSANA SALAZAR	Cole Information Services

17314 JERSEY AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	LUIS FAGUNDES	Cole Information Services
	CONCEPCION REYES	Cole Information Services
2004	JEUS ANDRADE	Cole Information Services
	MARTHA BLANCO	Cole Information Services
1999	LUIS FAGUNDES	Cole Information Services
	CONCEPCION REYES	Cole Information Services
1994	ESPARAZA, ELEAZAR	Cole Information Services

17502 JERSEY AVE

Year	Uses	Source
2014	DARSHAN SINGH	Cole Information Services
2009	GARY HORNBERGER	Cole Information Services
2006	HORNBERGERGary	Haines Company, Inc.
2004	GARY HORNBERGER	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

Year	Uses	Source
1999	GARY HORNBERGER	Cole Information Services

17503 JERSEY AVE

Year	Uses	Source
2014	JENNI SOURN	Cole Information Services
2009	JEN LIU	Cole Information Services
2006	a LIUJen	Haines Company, Inc.
2004	JEN LIU	Cole Information Services
1999	JEN LIU	Cole Information Services

17508 JERSEY AVE

Year	Uses	Source
2014	ABEL GOMEZ	Cole Information Services
2006	OYUNGMing	Haines Company, Inc.
	KWONChae	Haines Company, Inc.
2004	CHAE KWON	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	XIANG, NI N	Cole Information Services
1964	WINTERSEYK HENRY	Pacific Telephone

17510 JERSEY AVE

Year	Uses	Source
2014	BALVIR KAUR	Cole Information Services
2009	DARSHAN SINGH	Cole Information Services
2006	a SINGHDarshan	Haines Company, Inc.
2004	GURDEV DHILLON	Cole Information Services
1999	DARSHAN SINGH	Cole Information Services

17511 JERSEY AVE

Year	Uses	Source
2014	MATTHEW CARROLL	Cole Information Services
2009	MATTHEW CARROLL	Cole Information Services
2006	SCARROLLMathew	Haines Company, Inc.
2004	MATTHEW CARROLL	Cole Information Services
1999	MATTHEW CARROLL	Cole Information Services

Year	Uses	Source
1994	GRITTERS, ALVIN J	Cole Information Services

17513 JERSEY AVE

Year	Uses	Source
2014	THURMAN HELMICK	Cole Information Services

17520 JERSEY AVE

Year	Uses	Source
2014	NICK RAMOS	Cole Information Services
2009	LUMA MAGNABIJON	Cole Information Services
2006	MAGNABIJONLuma	Haines Company, Inc.
2004	LUMA MAGNABIJON	Cole Information Services
1999	LUMA MAGNABIJON	Cole Information Services

17522 JERSEY AVE

Year	Uses	Source
2014	BART ECCLES	Cole Information Services
2009	JAHEEH PICKLE	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	JAHEEH PICKLE	Cole Information Services
1964	ECCLES GLEN A	Pacific Telephone

17305 1/2 JERSEY AVE

Year	Uses	Source
1964	MITOBE RICHAID T	Pacific Telephone

17310 1/2 JERSEY AVE

Year	Uses	Source
1964	ARENS MABEL	Pacific Telephone

JERSEY AVE S

17105 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

FINDINGS

17110 JERSEY AVE S

Year	Uses	Source
2000	AIRMARK CO	Haines
	CAL PLATE	Haines

17115 JERSEY AVE S

Year	Uses	Source
2000	X ARTESIA BLVD	Haines
	OLEA EXHIBITSDISPLAYS INC	Haines
	CA DESIGN CENTER	Haines

17202 JERSEY AVE S

Year	Uses	Source
2000	FABIAN Cruz	Haines

17203 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17204 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17206 JERSEY AVE S

Year	Uses	Source
2000	ROSALES Joaquin	Haines

17207 JERSEY AVE S

Year	Uses	Source
2000	GOLTRA Gary	Haines

17209 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17210 JERSEY AVE S

Year	Uses	Source
2000	RUSSELLE Ted	Haines

FINDINGS

17211 JERSEY AVE S

Year	Uses	Source
2000	PINEDO Robert	Haines

17214 JERSEY AVE S

Year	Uses	Source
2000	BARAJAS Pascual	Haines

17215 JERSEY AVE S

Year	Uses	Source
2000	PINEDO Tony	Haines

17216 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17219 JERSEY AVE S

Year	Uses	Source
2000	FORKLIFT UNLIMITED	Haines
	LOPEZ Pedro	Haines

17220 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17221 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17223 JERSEY AVE S

Year	Uses	Source
2000	CRONE John	Haines

17226 JERSEY AVE S

Year	Uses	Source
2000	ROADWAY TOWING	Haines
	QUEENS LIENS	Haines

FINDINGS

17227 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17304 JERSEY AVE S

Year	Uses	Source
2000	BIRDZELL Melvin	Haines

17310 JERSEY AVE S

Year	Uses	Source
2000	1/2 RODRIGUEZ Pedro	Haines
	GONCALVES Manual	Haines

17312 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17314 JERSEY AVE S

Year	Uses	Source
2000	BLANCO Martha	Haines
	X 175TH	Haines

17502 JERSEY AVE S

Year	Uses	Source
2000	HORNBERGER Gary	Haines

17503 JERSEY AVE S

Year	Uses	Source
2000	LIU Jen	Haines

17508 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17510 JERSEY AVE S

Year	Uses	Source
2000	DHILLON Gurdev	Haines

FINDINGS

17511 JERSEY AVE S

Year	Uses	Source
2000	CARROLL Matthew	Haines

17513 JERSEY AVE S

Year	Uses	Source
2000	XXXX	Haines

17520 JERSEY AVE S

Year	Uses	Source
2000	MAGNABIJON Luma	Haines

17522 JERSEY AVE S

Year	Uses	Source
2000	ECCLES Glen	Haines

MAIDSTONE AVE

17506 MAIDSTONE AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	RICHARD MIDDEL	Cole Information Services
2006	MIDDEL Richard	Haines Company, Inc.
2004	RICHARD MIDDEL	Cole Information Services
1999	RICHARD MIDDEL	Cole Information Services

17507 MAIDSTONE AVE

Year	Uses	Source
2014	ANGEL JIMENEZ	Cole Information Services
2009	ANGEL JIMENEZ	Cole Information Services
2006	PLUEGERF	Haines Company, Inc.
2004	FLORENCE PLUEGER	Cole Information Services
1999	ANGEL JIMENEZ	Cole Information Services
1994	PLUEGER, FRED W	Cole Information Services
1964	PLUEGER FRED W	Pacific Telephone

FINDINGS

17509 MAIDSTONE AVE

Year	Uses	Source
2014	CASEY DONALD	Cole Information Services
2009	CASEY DONALD	Cole Information Services
2004	LATHEA JOHNSON	Cole Information Services
1999	CASEY DONALD	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

17514 MAIDSTONE AVE

Year	Uses	Source
2014	DONOVAN KOLANEK	Cole Information Services
2009	JACKLYE WILSON	Cole Information Services
2006	o WILSONJ	Haines Company, Inc.
2004	JACKLYE WILSON	Cole Information Services
1999	JACKLYE WILSON	Cole Information Services
1994	WILSON, DONALD	Cole Information Services

17516 MAIDSTONE AVE

Year	Uses	Source
2014	BYRON GLASPER	Cole Information Services
2009	BYRON GLASPER	Cole Information Services
2006	a GLASPERByron	Haines Company, Inc.
2004	BYRON GLASPER	Cole Information Services
1999	BYRON GLASPER	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	LOUREIRO, ALAIN	Cole Information Services
1964	SHORE LUTHER W	Pacific Telephone

17519 MAIDSTONE AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	LEE DEBOER	Cole Information Services
2006	DEBOERLee	Haines Company, Inc.
2004	LEE DEBOER	Cole Information Services
1999	LEE DEBOER	Cole Information Services

FINDINGS

Year	Uses	Source
1994	DEBOER, LEE	Cole Information Services
1964	WESTRA GENE	Pacific Telephone

17521 MAIDSTONE AVE

Year	Uses	Source
2014	ONNIE LUK	Cole Information Services
2009	ONNIE LUK	Cole Information Services
2006	LUKCarnnen	Haines Company, Inc.
2004	PETE MEDEMA	Cole Information Services
1999	ONNIE LUK	Cole Information Services
1994	MEDEMA, PETE	Cole Information Services

17524 MAIDSTONE AVE

Year	Uses	Source
2014	SAMUEL FEY	Cole Information Services
2009	MARY FEY	Cole Information Services
2006	FEY Samuel	Haines Company, Inc.
2004	MARY FEY	Cole Information Services
1999	MARY FEY	Cole Information Services

17525 MAIDSTONE AVE

Year	Uses	Source
2014	GLEN MULDER	Cole Information Services
2009	GLEN MULDER	Cole Information Services
2006	MULDER Bernard	Haines Company, Inc.
2004	GLEN MULDER	Cole Information Services
1999	GLEN MULDER	Cole Information Services
1994	MULDER, GLEN	Cole Information Services

17526 MAIDSTONE AVE

Year	Uses	Source
2014	ERNEST AMEZCUA	Cole Information Services
2009	ERNEST AMEZCUA	Cole Information Services
2004	ERNEST AMEZCUA	Cole Information Services
1999	ERNEST AMEZCUA	Cole Information Services

FINDINGS

17533 MAIDSTONE AVE

Year	Uses	Source
2014	DIANA SEERDSMA	Cole Information Services
2009	DIANA SEERDSMA	Cole Information Services
2006	SEERDSMA Diana	Haines Company, Inc.
2004	DIANA SEERDSMA	Cole Information Services
1999	DIANA SEERDSMA	Cole Information Services
1994	WIEBENGA, SAM	Cole Information Services

17534 MAIDSTONE AVE

Year	Uses	Source
2014	PETER BUCK	Cole Information Services
2009	PETER BUCK	Cole Information Services
2006	a BUCK Peler	Haines Company, Inc.
2004	THOMAS DRULIAS	Cole Information Services
1999	PETER BUCK	Cole Information Services

MAIDSTONE AVE S

17507 MAIDSTONE AVE S

Year	Uses	Source
2000	PLUEGER Fred W	Haines
	PLUEGER Florence	Haines

17514 MAIDSTONE AVE S

Year	Uses	Source
2000	WILSON Donald	Haines

17516 MAIDSTONE AVE S

Year	Uses	Source
2000	GLASPER Byron	Haines

17519 MAIDSTONE AVE S

Year	Uses	Source
2000	DEBOER Lee	Haines

FINDINGS

17521 MAIDSTONE AVE S

Year	*Uses*	*Source*
2000	MEDEMA Pele	Haines

17524 MAIDSTONE AVE S

Year	*Uses*	*Source*
2000	FEY Samuel	Haines

17525 MAIDSTONE AVE S

Year	*Uses*	*Source*
2000	MULDER Glen	Haines

17533 MAIDSTONE AVE S

Year	*Uses*	*Source*
2000	SEERDSMA Diana	Haines

17534 MAIDSTONE AVE S

Year	*Uses*	*Source*
2000	X JERSEY AV	Haines
	DRULIAS Thomas	Haines

PIONEER BLVD

17221 PIONEER BLVD

Year	*Uses*	*Source*
2009	BOMBAY GARDEN	Cole Information Services
	SHAKEYS PIZZA	Cole Information Services
	LAUCRAIG INC	Cole Information Services
2006	BIGS	Haines Company, Inc.
	Res TAURANTS	Haines Company, Inc.
2004	LAUCRAIG INC	Cole Information Services
1994	SHAKEYS PIZZA PARLOR	Cole Information Services

17303 PIONEER BLVD

Year	*Uses*	*Source*
2014	CHI ENTERPRISES INC	Cole Information Services
2009	ONE JOE KOREAN RESTAURANT	Cole Information Services

FINDINGS

Year	Uses	Source
2006	Res TAURANT	Haines Company, Inc.
	ONEJOE KOREAN	Haines Company, Inc.
2004	WON JO KOREAN RESTAURANT	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	ST PETERS FAMILY MEDICAL GRP	Cole Information Services

17309 PIONEER BLVD

Year	Uses	Source
2014	CIGARETTE PLUS	Cole Information Services
2004	GP COMMUNICATIONS & ELECTRONIC	Cole Information Services
1999	TAIMAY CARPETS	Cole Information Services
1994	HASSAN, SALAH	Cole Information Services
	CERRITOS ANIMAL HOSPITAL	Cole Information Services

17311 PIONEER BLVD

Year	Uses	Source
2014	BHARATIYA GROCERY	Cole Information Services
2009	BHARATIYA GROCERY	Cole Information Services
2006	GROCERY	Haines Company, Inc.
	BHARATIYA	Haines Company, Inc.
2004	BHARATIYA GROCERY	Cole Information Services
1999	BHARATIYA GROCERY	Cole Information Services
1994	MOTUS VICTOR AIA	Cole Information Services
	ANTIQUES&THRIFT BTQ	Cole Information Services

17314 PIONEER BLVD

Year	Uses	Source
2014	CHASE BANK	Cole Information Services
	CHASE	Cole Information Services
	GT DYNO AUTHORIZED DEALERBIG WHEEL	Cole Information Services
	BIG WHEEL BICYCLES	Cole Information Services
2009	UNIFORM DEPOT INC	Cole Information Services
	RALEIGH AUTHORIZED DEALER BIG WHEEL	Cole Information Services
2006	AUTHORIZED	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	AUTHORIZED	Haines Company, Inc.
	DEALER	Haines Company, Inc.
	BIG WHEEL	Haines Company, Inc.
	BICYCLES GT DYNO	Haines Company, Inc.
	AUTHORIZED	Haines Company, Inc.
	DEALER MR UNIFORM	Haines Company, Inc.
	RALEIGH	Haines Company, Inc.
	DEALER SCHWINN	Haines Company, Inc.
2004	MR UNIFORM	Cole Information Services
	BIG WHEEL BIKE SHOP	Cole Information Services
1999	BIG WHEEL BICYCLES	Cole Information Services
	MR BIG & TALL MENSWEAR UNIFORMS	Cole Information Services
1994	BIG WHEEL BIKE SHOP	Cole Information Services
	MR MAN INC	Cole Information Services

17315 PIONEER BLVD

Year	Uses	Source
1964	JEANNE S CAFE	Pacific Telephone

17318 PIONEER BLVD

Year	Uses	Source
1985	Bellflower Artesia Center	Pacific Bell
	GENERAL TELEPHONE GTE PHONE MARTS BELLFLOWER ARTESIA CENTER	Pacific Bell
1981	GENERAL TELEPHONE PERSON SERVICE	Pacific Telephone
1980	GENERAL TELEPHONE IN PERSON SERVICE GTE PHONE MART	Pacific Telephone
	Bellflower Artesia Center	Pacific Telephone

17325 PIONEER BLVD

Year	Uses	Source
2014	NICK SHELL SERVICE	Cole Information Services
	LOCKSMITH STORE	Cole Information Services
2009	NICK SHELL SERVICE	Cole Information Services
	SHELL	Cole Information Services

Year	Uses	Source
2009	ALLIANCE FLEET SERVICES	Cole Information Services
2006	NICK SHELL	Haines Company, Inc.
	SERVICE	Haines Company, Inc.
2004	NICK SHELL SERVICE	Cole Information Services
1999	NICK SHELL SERVICE	Cole Information Services
1994	PIONEER & ARTESIA SHELL	Cole Information Services

17328 PIONEER BLVD

Year	Uses	Source
2009	CIGARETTE PLUS	Cole Information Services
2006	CERRITOSBEAUTY	Haines Company, Inc.
	SUPPLY&SALON	Haines Company, Inc.
2004	ESTHER BEAUTY SALON	Cole Information Services
	SUN MIN	Cole Information Services
1999	ARTESIA COMMUNICATION	Cole Information Services
	CERRITOS BEAUTY SUPPLY & SALON	Cole Information Services
1994	ARTESIA COMMNCTN	Cole Information Services

17330 PIONEER BLVD

Year	Uses	Source
2014	VZW AT CP SKY MAX PCS COMMUNICATIONS	Cole Information Services
	SKYMAX PCS	Cole Information Services
2006	SKYMAXPCS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	NEW LIFE MEDICAL SUPPLIES	Cole Information Services

17334 PIONEER BLVD

Year	Uses	Source
2014	LEE MICHAEL H DDS INC	Cole Information Services
2009	MICHAEL H LEE DDS INC	Cole Information Services
2006	LEE MICHAELH DDS	Haines Company, Inc.
2004	MICHAEL LEE	Cole Information Services
	MICHAEL H LEE DDS INC	Cole Information Services
1999	LEE MICHAEL H DDS INCORPORATED	Cole Information Services

Year	Uses	Source
1994	MICHAEL H LEE DDS	Cole Information Services

17336 PIONEER BLVD

Year	Uses	Source
2014	TIME CITY	Cole Information Services
2009	TIME CITY	Cole Information Services
2006	TIMECITY	Haines Company, Inc.
2004	BORIPHAT SAMATHANAWIN	Cole Information Services
	TIME CITY	Cole Information Services
1999	TIME CITY	Cole Information Services
	TT SERVICE CENTER	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	TIME CITY	Cole Information Services

17340 PIONEER BLVD

Year	Uses	Source
2014	U S DONUT	Cole Information Services
2009	U S DONUTS	Cole Information Services
2006	USDONUT	Haines Company, Inc.
2004	US DONUTS	Cole Information Services
1999	OY DONUTS	Cole Information Services
	US DONUT	Cole Information Services
1994	U S DONUT	Cole Information Services

17421 PIONEER BLVD

Year	Uses	Source
2009	HANEUL MARU MEAT MART	Cole Information Services
	ASIA GRILL WORKS	Cole Information Services
2006	ASIA GRILL WORKS	Haines Company, Inc.
	ASIA GRILL WORKS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	MASCO WORLD OF GAMES	Cole Information Services
1999	MASCO AUDIO VIDEO ENTERPRISES	Cole Information Services
	WORLD OF GAMES	Cole Information Services

Year	Uses	Source
1999	EDONG FOODS	Cole Information Services
1994	WORLD OF GAMES	Cole Information Services
	MASCO AUDIO VIDEO ENTERPRISES	Cole Information Services
	MASCO WORLD OF GAMES	Cole Information Services

17429 PIONEER BLVD

Year	Uses	Source
2006	CASIGN	Haines Company, Inc.
2004	WORLD OF GAMES	Cole Information Services
	PUNJABI CULTURAL SCTY OF AMRC	Cole Information Services
1994	H & H LIQUOR & DELI	Cole Information Services

PIONEER BLVD S

17221 PIONEER BLVD S

Year	Uses	Source
2000	SHAKEYS PIZZA	Haines
	COALE How ard 00 it	Haines
	RSTRNT ARTESIA	Haines

17300 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17303 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17309 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17311 PIONEER BLVD S

Year	Uses	Source
2000	BHARATIYA GROCERY	Haines

FINDINGS

17314 PIONEER BLVD S

Year	Uses	Source
2000	BIG WHEEL BICYCLES 562 S 6 S 3011 I	Haines
	MR Blg & TAI L MENSWR 562 46 41 I	Haines

17316 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17318 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17325 PIONEER BLVD S

Year	Uses	Source
2000	ALLIANCE FLEET SERVICES 86 Z	Haines
	NICK SHELL SERVICE	Haines
	COALE How ard	Haines

17326 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17328 PIONEER BLVD S

Year	Uses	Source
2000	CERRITOS BEAUTY SUPPLY & SALON	Haines

17330 PIONEER BLVD S

Year	Uses	Source
2000	NEW LIFE MEDICAL SUPPLIES	Haines

17331 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17332 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17334 PIONEER BLVD S

Year	Uses	Source
2000	LEE MICHAEL H DDS INC	Haines

17336 PIONEER BLVD S

Year	Uses	Source
2000	T T SERVICE CENTER	Haines
	TIME CITY	Haines

17340 PIONEER BLVD S

Year	Uses	Source
2000	US DONUT 562 921 6 t	Haines

17413 PIONEER BLVD S

Year	Uses	Source
2000	XXXX	Haines

17421 PIONEER BLVD S

Year	Uses	Source
2000	MASCO AUDIO VIEO ENTERPRISES	Haines
	SINGH Maninderbir 00 t	Haines
	EDONG FOODS	Haines

17429 PIONEER BLVD S

Year	Uses	Source
2000	SINGH Maninderbr 00 i WORLD OF GAMES	Haines
	WORLD OF GAMES 862 M	Haines

S JERSEY AVE

17226 S JERSEY AVE

Year	Uses	Source
1981	CLIPPER CAR BLOCKERS INC ART	Pacific Telephone

S PIONEER BLVD

17303 S PIONEER BLVD

Year	Uses	Source
1991	St Peters Family Medical Group	Pacific Bell
1985	Artesia Cerritos Medical Group	Pacific Bell
1980	Thill Albert E MD	Pacific Telephone
	Petty Preston D MD	Pacific Telephone
	Neighbors Darrell rl est mngmnt	Pacific Telephone
	Neighborhood Medical Clinic	Pacific Telephone
	American Pharmacy	Pacific Telephone
1975	Gordon Donald T	Pacific Telephone
	Glasers Clinic	Pacific Telephone
	Glaser Leon H Dr MD	Pacific Telephone
1964	GLASER S CLINIC	Pacific Telephone
	GLASER LEON H DR MD	Pacific Telephone
1960	GLASER S CLINIC	Pacific Telephone
	GLASER LEON H DR OSTEO PHYS	Pacific Telephone
1957	GLASER LEON H DR OSTEO PHYS	Pacific Telephone
	GLASER S CLINIC	Pacific Telephone
	TAYLOR LOUIS G DENTIST	Pacific Telephone
1954	GLASER LEON H DR OSTEO PHYS	R. L. Polk & Co.
	TAYLOR LOUIS G DENTIST	R. L. Polk & Co.
	GLASER S CLINIC	R. L. Polk & Co.
1950	GLASER LEON H DR	Pacific Telephone
	TAYLOR LOUISDENTIST	Pacific Telephone

17309 S PIONEER BLVD

Year	Uses	Source
1991	Cerritos Animal Hospital	Pacific Bell
	Hassan Salah DVM	Pacific Bell
	Artesia	Pacific Bell
1985	Artesia	Pacific Bell
	Lakey Amusement	Pacific Bell

FINDINGS

Year	Uses	Source
1985	Cerritos Animal Hospital	Pacific Bell
1980	Newman Terry C DVM	Pacific Telephone
	Mc Bride Norman I DVM	Pacific Telephone
	Lakey Vending	Pacific Telephone
	Cerritos Animal Clinic	Pacific Telephone
1975	Reichel Lynn R DVM	Pacific Telephone
	Newman Terry C DVM	Pacific Telephone
	Mc Bride Norman L DVM	Pacific Telephone
	Donco Truck Body & Equip	Pacific Telephone
	Cerritos Animal Clinic	Pacific Telephone
1954	STETLER L C VETRMN SUPLS	R. L. Polk & Co.
1950	G!EFA LABS VETNRN	Pacific Telephone
	STANSBURY JACK DAIRY SUPPLIES	Pacific Telephone

17311 S PIONEER BLVD

Year	Uses	Source
1991	Manligas Calixta bus devlpmnt	Pacific Bell
1985	Lees Furniture	Pacific Bell
	Lees USA Trading Inc	Pacific Bell
1980	DMRS Sewing Machine Center	Pacific Telephone
1975	Lakey Vending	Pacific Telephone
1964	JOHNSON TIRE CO	Pacific Telephone
1960	ARTESIA TIRE SHOP	Pacific Telephone
1957	ARTESIA TIRE SHOP	Pacific Telephone
1954	ARTESIA TIRE SHOP	R. L. Polk & Co.
1950	ARTESIA TIRE SHOP	Pacific Telephone

17315 S PIONEER BLVD

Year	Uses	Source
1960	MAXINES CAFE	Pacific Telephone
1957	MAXINE S CAFE	Pacific Telephone
1954	LARRY S CAFE	R. L. Polk & Co.
1950	LARRY S SHORTSTOP RESTMNT	Pacific Telephone

FINDINGS

17325 S PIONEER BLVD

Year	Uses	Source
1991	Pioneer & Artesia Shell	Pacific Bell
1985	T & S Shell Service	Pacific Bell
1980	T & S Shell Service	Pacific Telephone
1975	Robinson Shell Service	Pacific Telephone
1964	PIONEER MKT	Pacific Telephone
1960	PIONEER MKT	Pacific Telephone
1957	PIONEER MKT	Pacific Telephone
1954	PIONEER MKT	R. L. Polk & Co.
1950	SHOWERS EARL	Pacific Telephone

17326 S PIONEER BLVD

Year	Uses	Source
1980	G & P Texaco Service	Pacific Telephone
1975	Smiths Texaco Service	Pacific Telephone
1964	PICKRELL S BEAUTY SALON	Pacific Telephone
1960	PICKRELLS BEAUTY SALON	Pacific Telephone
1957	PICKRELL S BEAUTY SALON	Pacific Telephone
1954	PICKRELL S BEAUTY SALON	R. L. Polk & Co.
1950	PICKNEDLL S BEAUTY SALON	Pacific Telephone

17330 S PIONEER BLVD

Year	Uses	Source
1985	K S Maintenance	Pacific Bell
	Paramount Video	Pacific Bell
1960	PRESCOTT S HDWE & SHEET METAL WKS	Pacific Telephone
1957	PRESCOTT S HDWE & SHEET METAL WKS	Pacific Telephone
1954	PRESCOTT S HDWE & SHEET METAL WKS	R. L. Polk & Co.
1950	PRESCOTT S HDWE & SHEET METAL WKS	Pacific Telephone

17331 S PIONEER BLVD

Year	Uses	Source
1964	ROXIES DRIVE-IN	Pacific Telephone
1960	ROXIE S DRIVE-IN	Pacific Telephone

FINDINGS

Year	Uses	Source
1957	ROXIE S DRIVE-IN	Pacific Telephone
1950	JOHNIE & WALT S SERV STANTON	Pacific Telephone

17401 S PIONEER BLVD

Year	Uses	Source
1950	PALMER S SERV SVC STA	Pacific Telephone

17405 S PIONEER BLVD

Year	Uses	Source
1950	DE YOUNG JOHN FUNRI DIR	Pacific Telephone
	ARNOLD FUNERAL HOME	Pacific Telephone
	GALLAUGHER HARVEY W BELLFLOWER MORTUARY	Pacific Telephone
	VANDER WOUDE DANI ARNOLD FUNERAL HOME	Pacific Telephone

17415 S PIONEER BLVD

Year	Uses	Source
1964	YAMAMOTO FRANK S GROC	Pacific Telephone
1957	YAMAMOTO FRANK S GROC	Pacific Telephone
1950	LAPORTE MKT	Pacific Telephone
	LAPORTE E F RADIOS	Pacific Telephone

17505 S PIONEER BLVD

Year	Uses	Source
1954	A & K LIQUOR STORE	R. L. Polk & Co.
1950	ARNIES APPLIANCE SERV	Pacific Telephone

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
11607 175TH ST	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11607 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11609 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11609 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11614 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11614 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11614 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11616 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11616 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11616 ARTESIA BLVD	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11616 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11617 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11617 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11618 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11618 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11618 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11619 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11619 175TH ST	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11627 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11627 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11628 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11628 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11628 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11629 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11629 175TH ST	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11630 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11630 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11630 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11632 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11632 ARTESIA BLVD	2014, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11632 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11634 1/2 ARTESIA BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11634 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11634 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11634 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11635 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11635 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11635 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11636 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11636 ARTESIA BLVD	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11636 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11638 ARTESIA BLVD	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11638 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11639 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11639 175TH ST	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11641 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11641 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11642 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11642 ARTESIA BLVD	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11642 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11644 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11644 ARTESIA BLVD	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11644 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11645 ARTESIA BLVD	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11645 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11646 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11646 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11646 ARTESIA BLVD	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11646 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11647 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11647 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11647 ARTESIA BLVD	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11647 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11648 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11648 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11648 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11649 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11649 ARTESIA BLVD	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11651 ARTESIA BLVD	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11652 175TH ST	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11652 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11654 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11654 ARTESIA BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11654 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11655 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11655 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11655 ARTESIA BLVD	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11655 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11655 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11656 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11656 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11656 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11657 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11657 ARTESIA BLVD	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11700 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11700 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11700 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11701 ARTESIA BLVD	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11702 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11702 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11702 ARTESIA BLVD	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11702 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11704 ARTESIA BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11704 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11705 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11705 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11706 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11706 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11706 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11708 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11708 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11708 ARTESIA BLVD	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11708 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11708 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11711 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11711 175TH ST	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11712 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11712 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11712 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11714 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11714 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11714 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11714 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11714 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11717 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11717 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11720 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11720 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11725 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11725 ARTESIA BLVD	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11725 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11725 E ARTESIA BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11726 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11729 ARTESIA BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11732 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11732 175TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11732 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11732 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11732 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11734 175TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11734 175TH ST	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11734 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11734 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11734 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11735 ARTESIA BLVD	2014, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11735 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11736 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11736 175TH ST	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11736 ARTESIA BLVD	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11736 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11738 175TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11738 175TH ST	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11738 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11738 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11738 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11740 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11740 ARTESIA BLVD	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11740 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11742 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11742 ARTESIA BLVD	2014, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11742 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11744 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11744 ARTESIA BLVD	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11744 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11746 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11746 ARTESIA BLVD	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11746 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11748 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11748 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11748 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11749 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11749 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11749 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11750 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11750 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11750 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11752 ARTESIA BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11752 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11754 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11754 ARTESIA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11754 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11756 ARTESIA BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11756 ARTESIA BLVD	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11756 ARTESIA BLVD E	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17105 JERSEY AVE	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17105 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17110 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17110 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17110 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17115 Alburtis Ave	2014, 2009, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17115 ALBURTIS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17115 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
17115 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17115 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17202 ALBURTIS AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17202 ALBURTIS AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17202 ALBURTIS AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17202 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17202 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17202 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 ALBURTIS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17203 CORBY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 CORBY AVE	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 CORBY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 FLALLON AVE	2014, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17204 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17204 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17204 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17206 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17206 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17206 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17207 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17207 JERSEY AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17207 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17209 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17209 JERSEY AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17209 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17210 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17210 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17210 JERSEY AVE	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17210 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17211 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17211 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17211 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17212 ALBURTIS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17212 FLALLON AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17212 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17213 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17213 FLALLON AVE	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17213 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17214 ALBURTIS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17214 ALBURTIS AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17214 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17214 JERSEY AVE	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17214 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 CORBY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 CORBY AVE	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 CORBY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 FLALLON AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
17215 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17216 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17216 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17216 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17219 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17219 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17219 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17220 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17220 JERSEY AVE	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17220 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 CORBY AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 CORBY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 FLALLON AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 PIONEER BLVD	2014, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17221 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17223 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17223 FLALLON AVE	2014, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17223 JERSEY AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17223 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17223 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 ALBURTIS AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 ALBURTIS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 ALBURTIS AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17226 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17226 JERSEY AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
17226 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17226 S JERSEY AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17227 JERSEY AVE	2014, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17227 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17268 ALBURTIS AVE	2014, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17300 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17300 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17301 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17301 FLALLON AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17301 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17302 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17303 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17303 PIONEER BLVD	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17303 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17303 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17304 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17304 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17304 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17305 1/2 JERSEY AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17306 FLALLON AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17306 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17307 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17307 FLALLON AVE	2014, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17307 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17309 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17309 PIONEER BLVD	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17309 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17309 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17310 1/2 JERSEY AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17310 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17310 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17310 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17311 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17311 PIONEER BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17311 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17311 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17312 JERSEY AVE	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17312 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17313 1/2 FLALLON AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17313 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17313 FLALLON AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17313 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17314 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17314 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17314 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17314 PIONEER BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17314 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17315 FLALLON AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17315 FLALLON AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17315 PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17315 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17316 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17317 FLALLON AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17317 FLALLON AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17318 PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17318 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17325 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17325 PIONEER BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17325 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17325 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17326 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17326 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17328 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
17328 PIONEER BLVD	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17328 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17330 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17330 PIONEER BLVD	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17330 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17330 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17331 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17331 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17332 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17334 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17334 PIONEER BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17334 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17336 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17336 PIONEER BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17336 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17340 PIONEER BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17340 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17340 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17401 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17405 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17413 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17415 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17421 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17421 PIONEER BLVD	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17421 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17429 PIONEER BLVD	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17429 PIONEER BLVD	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17429 PIONEER BLVD S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17502 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17502 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17502 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17503 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17503 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17503 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17505 S PIONEER BLVD	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17506 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17506 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17507 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17507 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17507 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17508 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17508 JERSEY AVE	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17508 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17509 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17510 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17510 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17510 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17511 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17511 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17511 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17513 JERSEY AVE	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17513 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17514 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17514 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17514 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17516 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17516 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17516 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17519 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17519 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17519 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17520 JERSEY AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17520 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17520 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17521 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17521 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17521 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17522 JERSEY AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17522 JERSEY AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17522 JERSEY AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17524 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17524 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17524 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17525 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17525 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17525 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17526 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17533 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17533 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17533 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17534 MAIDSTONE AVE	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17534 MAIDSTONE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17534 MAIDSTONE AVE S	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
11709 Artesia Boulevard	2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

APPENDIX C.4
HISTORICAL FIRE INSURANCE MAPS

11709 Artesia Boulevard

11709 Artesia Boulevard

Artesia, CA 90701

Inquiry Number: 6777008.3

December 06, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/06/21

Site Name:

11709 Artesia Boulevard
11709 Artesia Boulevard
Artesia, CA 90701
EDR Inquiry # 6777008.3

Client Name:

Ramboll
18100 Von Karman Avenue
Irvine, CA 92612
Contact: Cara Thomann

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Ramboll were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0239-4512-AF17

PO # NA

Project 1690009964 Borstein

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 0239-4512-AF17

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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APPENDIX D
2021 RAMBOLL SUBSURFACE INVESTIGATION RESULTS – SOIL AND SOIL VAPOR ANALYTICAL SUMMARY TABLES AND ANALYTICAL LABORATORY REPORTS

Table 10. Summary of Soil Vapor Results for VOCs
11709 East Artesia Boulevard
Artesia, California

Sample ID	Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Benzene	Ethylbenzen	Toluene	m,p-Xylene	o-Xylene	1,2,4-Trimethylbenzene	Chloroform
Commerical Soil Vapor Screening Level (Attenuation Factor 0.001)			**2.0**	**0.42**	**4.9**	**1,300**	**440**	**440**	**260**	**0.53**
Residential Soil Vapor Screening Level (Attenuation Factor 0.001)			**0.46**	**0.097**	**1.1**	**310**	**100**	**100**	**63**	**0.12**
Commerical Soil Vapor Screening Level (Attenuation Factor 0.03)			**0.067**	**0.014**	**0.16**	**43**	**14.7**	**14.7**	**8.7**	**0.018**
Residential Soil Vapor Screening Level (Attenuation Factor 0.03)			**0.015**	**0.003**	**0.037**	**10**	**3**	**3**	**2**	**0.004**
RSV-1	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-2	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-3	5	12/3/2021	**0.13**	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-4	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-5	5	12/3/2021	**0.050**	**0.030**	**0.020 J**	**1.8**	**0.080**	**0.030**	**0.020 J**	<0.025
RSV-6	5	12/3/2021	--	--	--	--	--	--	--	--
RSV-7	5	12/3/2021	<0.0125	<0.025	<0.025	**0.040**	<0.0250	<0.025	<0.025	<0.025
RSV-8	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
	5	*12/3/2021*	<0.0125	*<0.025*	*<0.025*	<0.0125	*<0.0250*	*<0.025*	*<0.025*	*<0.025*
RSV-9	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-10	5	12/3/2021	<0.0125	<0.025	<0.025	**0.020 J**	<0.0250	<0.025	<0.025	**0.27**

Notes:
µg/l - micrograms per liter
<X - value not reported above the laboratory reporting limit
-- - not analyzed
Data is presented in µg/l units
Duplicate sample is italicized
J - Analyte concentration detected between Reporting Limit (RL) and Method Detection Limit (MDL)
Soil vapor samples were analyzed for VOCs by USEPA Method 8260B.
Only compounds reported above the laboratory reporting limit are shown
VOCs - Volatile Organic Compounds
Indicates compounds exceed soil gas residential scenario screening levels using a 0.001 AF, and less stringent screening levels.
Indicates compounds exceed soil gas commercial building scenario screening levels using a 0.03 AF, and less stringent screening levels.
Indicates compounds exceed soil gas residential building scenario screening levels using a 0.03 AF.

References:

Cal/EPA. 2020. Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 4, Issue: DTSC-Modified Screening Levels (DTSC-SLs). June.
USEPA. 2021. Regional Screening Levels Summary Table. November.

Table 10. Summary of Soil Sampling Results for TPH and pH
11709 East Artesia Boulevard
Artesia, California

Location	Depth (feet bgs)	Date Sampled	TPH (mg/kg)			pH
			TPH - GRO	TPH - DRO	TPH - ORO	
Soil Commercial Screening Level			**420**	**440**	**18,000**	**NE**
Soil Residential Screening Level			**82**	**96**	**2,400**	**NE**
B1	2	11/2/2021	**0.28**	<5.0	**21**	**8.2**
	4	11/2/2021	<0.10	<5.1	**6.4**	**8.3**
	6	11/2/2021	**1.6**	**5.8**	**23**	**8.9**
B2	2	11/2/2021	**0.51**	**5.2**	**100**	NA
	4	11/2/2021	**1.9**	**16**	**32**	NA
	6	11/2/2021	**1.1**	**5.3**	**28**	NA
B3	2	11/2/2021	**0.13**	<5.1	<5.1	**7.7**
	4	11/2/2021	**0.23**	<4.9	**4.9**	**8.1**
	6	11/2/2021	**0.76**	<4.8	<4.8	**8.2**

Notes:
bgs = below ground surface
DRO = diesel range organics
GRO = gasoline range organics
mg/kg = milligrams per kilogram
NA = Sample not analyzed for this compound
NE = Not established
ORO = oil range organics
TPH = total petroleum hydrocarbons
USEPA = United States Environmental Protection Agency
Soil samples were analyzed for TPH by USEPA Method 8015M and selectively for pH.
Results and screening levels for TPH are reported in milligrams per kilogram (mg/kg).
pH are reported in standard units.

References:

Cal/EPA. 2020. Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 4, Issue: DTSC-Modified Screening Levels (DTSC-SLs). June.

USEPA. 2021. Regional Screening Levels Summary Table. June.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-74585-1
Laboratory SDG: 11709 East Artesia Blvd., Artesia, CA
Client Project/Site: Artesia Dairies

For:
Ramboll US Corporation
5 Park Plaza
Suite 500
Irvine, California 92614

Attn: Brian Bauer

Authorized for release by:
11/9/2021 8:24:38 AM

Danielle Roberts, Senior Project Manager
(949)260-3249
Danielle.Roberts@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-74585-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-74585-1

Comments
No additional comments.

Receipt
The samples were received on 11/2/2021 3:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0º C.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
Method 8015B: The matrix spike duplicate (MSD) recoveries of Gasoline Range Organics (C4-C13) for preparation batch 570-191858 and analytical batch 570-191842 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8015B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-191634 and analytical batch 570-191771 recovered outside control limits for the following analytes: C10-C28 Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Client Sample ID: B1-2-211102 — Lab Sample ID: 570-74585-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.28		0.099	0.055	mg/Kg	1		8015B	Total/NA
C23-C40	21		5.0	3.8	mg/Kg	1		8015B	Total/NA
pH	8.2		0.01	0.01	S.U.	1		9045C	Total/NA

Client Sample ID: B1-4-211102 — Lab Sample ID: 570-74585-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	6.4		5.1	3.9	mg/Kg	1		8015B	Total/NA
pH	8.3		0.01	0.01	S.U.	1		9045C	Total/NA

Client Sample ID: B1-6-211102 — Lab Sample ID: 570-74585-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	1.6		0.099	0.055	mg/Kg	1		8015B	Total/NA
C13-C22	5.8		4.7	3.6	mg/Kg	1		8015B	Total/NA
C23-C40	23		4.7	3.6	mg/Kg	1		8015B	Total/NA
pH	8.9		0.01	0.01	S.U.	1		9045C	Total/NA

Client Sample ID: B2-2-211102 — Lab Sample ID: 570-74585-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.51		0.10	0.056	mg/Kg	1		8015B	Total/NA
C13-C22	5.2		5.2	4.0	mg/Kg	1		8015B	Total/NA
C23-C40	100		5.2	4.0	mg/Kg	1		8015B	Total/NA

Client Sample ID: B2-4-211102 — Lab Sample ID: 570-74585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	1.9		0.10	0.055	mg/Kg	1		8015B	Total/NA
C13-C22	16		4.8	3.7	mg/Kg	1		8015B	Total/NA
C23-C40	32		4.8	3.7	mg/Kg	1		8015B	Total/NA

Client Sample ID: B2-6-211102 — Lab Sample ID: 570-74585-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	1.1		0.10	0.056	mg/Kg	1		8015B	Total/NA
C13-C22	5.3		5.3	4.1	mg/Kg	1		8015B	Total/NA
C23-C40	28		5.3	4.1	mg/Kg	1		8015B	Total/NA

Client Sample ID: B3-2-211102 — Lab Sample ID: 570-74585-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.13		0.10	0.056	mg/Kg	1		8015B	Total/NA
pH	7.7		0.01	0.01	S.U.	1		9045C	Total/NA

Client Sample ID: B3-4-211102 — Lab Sample ID: 570-74585-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.23		0.099	0.055	mg/Kg	1		8015B	Total/NA
C23-C40	4.9		4.9	3.7	mg/Kg	1		8015B	Total/NA
pH	8.1		0.01	0.01	S.U.	1		9045C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Client Sample ID: B3-6-211102

Lab Sample ID: 570-74585-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.76		0.10	0.056	mg/Kg	1		8015B	Total/NA
pH	8.2		0.01	0.01	S.U.	1		9045C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B1-2-211102

Lab Sample ID: 570-74585-1

Date Collected: 11/02/21 08:48
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.28		0.099	0.055	mg/Kg		11/04/21 14:44	11/04/21 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*42 - 126*	*11/04/21 14:44*	*11/04/21 20:37*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.8	mg/Kg		11/03/21 21:50	11/04/21 22:15	1
C23-C40	21		5.0	3.8	mg/Kg		11/03/21 21:50	11/04/21 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*118*		*60 - 138*	*11/03/21 21:50*	*11/04/21 22:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.01	0.01	S.U.			11/03/21 22:11	1

Client Sample ID: B1-4-211102

Lab Sample ID: 570-74585-2

Date Collected: 11/02/21 08:56
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.056	mg/Kg		11/04/21 14:44	11/04/21 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*42 - 126*	*11/04/21 14:44*	*11/04/21 22:04*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.1	3.9	mg/Kg		11/03/21 21:50	11/04/21 22:35	1
C23-C40	6.4		5.1	3.9	mg/Kg		11/03/21 21:50	11/04/21 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*60 - 138*	*11/03/21 21:50*	*11/04/21 22:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.01	0.01	S.U.			11/03/21 22:11	1

Client Sample ID: B1-6-211102

Lab Sample ID: 570-74585-3

Date Collected: 11/02/21 09:02
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	1.6		0.099	0.055	mg/Kg		11/04/21 14:44	11/04/21 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*42 - 126*	*11/04/21 14:44*	*11/04/21 23:34*	*1*

Client Sample ID: B1-6-211102

Lab Sample ID: 570-74585-3
Date Collected: 11/02/21 09:02
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	5.8		4.7	3.6	mg/Kg		11/03/21 21:50	11/04/21 22:56	1
C23-C40	23		4.7	3.6	mg/Kg		11/03/21 21:50	11/04/21 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*125*		*60 - 138*	*11/03/21 21:50*	*11/04/21 22:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.01	0.01	S.U.			11/03/21 22:11	1

Client Sample ID: B2-2-211102

Lab Sample ID: 570-74585-4
Date Collected: 11/02/21 11:40
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.51		0.10	0.056	mg/Kg		11/05/21 13:30	11/05/21 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*42 - 126*	*11/05/21 13:30*	*11/05/21 19:27*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	5.2		5.2	4.0	mg/Kg		11/03/21 21:50	11/04/21 23:17	1
C23-C40	100		5.2	4.0	mg/Kg		11/03/21 21:50	11/04/21 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*110*		*60 - 138*	*11/03/21 21:50*	*11/04/21 23:17*	*1*

Client Sample ID: B2-4-211102

Lab Sample ID: 570-74585-5
Date Collected: 11/02/21 11:45
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	1.9		0.10	0.055	mg/Kg		11/04/21 14:44	11/05/21 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*11/04/21 14:44*	*11/05/21 00:32*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	16		4.8	3.7	mg/Kg		11/03/21 21:50	11/04/21 23:37	1
C23-C40	32		4.8	3.7	mg/Kg		11/03/21 21:50	11/04/21 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*11/03/21 21:50*	*11/04/21 23:37*	*1*

Client Sample ID: B2-6-211102

Lab Sample ID: 570-74585-6

Date Collected: 11/02/21 11:50
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	1.1		0.10	0.056	mg/Kg		11/04/21 14:44	11/05/21 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*42 - 126*	*11/04/21 14:44*	*11/05/21 01:01*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	5.3		5.3	4.1	mg/Kg		11/03/21 21:50	11/04/21 23:58	1
C23-C40	28		5.3	4.1	mg/Kg		11/03/21 21:50	11/04/21 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*11/03/21 21:50*	*11/04/21 23:58*	*1*

Client Sample ID: B3-2-211102

Lab Sample ID: 570-74585-7

Date Collected: 11/02/21 13:55
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.13		0.10	0.056	mg/Kg		11/05/21 13:30	11/05/21 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*42 - 126*	*11/05/21 13:30*	*11/05/21 17:52*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.1	3.9	mg/Kg		11/03/21 21:50	11/05/21 00:18	1
C23-C40	ND		5.1	3.9	mg/Kg		11/03/21 21:50	11/05/21 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*60 - 138*	*11/03/21 21:50*	*11/05/21 00:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.01	0.01	S.U.			11/03/21 22:11	1

Client Sample ID: B3-4-211102

Lab Sample ID: 570-74585-8

Date Collected: 11/02/21 14:00
Matrix: Solid
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.23		0.099	0.055	mg/Kg		11/05/21 13:30	11/05/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*42 - 126*	*11/05/21 13:30*	*11/05/21 19:03*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.9	3.7	mg/Kg		11/03/21 21:50	11/05/21 00:40	1

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Client Sample ID: B3-4-211102

Lab Sample ID: 570-74585-8
Matrix: Solid
Date Collected: 11/02/21 14:00
Date Received: 11/02/21 15:35

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C23-C40	4.9		4.9	3.7	mg/Kg		11/03/21 21:50	11/05/21 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 138*	*11/03/21 21:50*	*11/05/21 00:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.01	0.01	S.U.			11/03/21 22:11	1

Client Sample ID: B3-6-211102

Lab Sample ID: 570-74585-9
Matrix: Solid
Date Collected: 11/02/21 14:05
Date Received: 11/02/21 15:35

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.76		0.10	0.056	mg/Kg		11/04/21 14:44	11/05/21 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*42 - 126*	*11/04/21 14:44*	*11/05/21 02:28*	*1*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.8	3.7	mg/Kg		11/03/21 21:50	11/05/21 01:01	1
C23-C40	ND		4.8	3.7	mg/Kg		11/03/21 21:50	11/05/21 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*110*		*60 - 138*	*11/03/21 21:50*	*11/05/21 01:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.01	0.01	S.U.			11/03/21 22:11	1

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (42-126)
570-74585-1	B1-2-211102	71
570-74585-1 MS	B1-2-211102	79
570-74585-1 MSD	B1-2-211102	79
570-74585-2	B1-4-211102	62
570-74585-3	B1-6-211102	73
570-74585-4	B2-2-211102	69
570-74585-5	B2-4-211102	96
570-74585-6	B2-6-211102	81
570-74585-7	B3-2-211102	76
570-74585-7 MS	B3-2-211102	98
570-74585-7 MSD	B3-2-211102	69
570-74585-8	B3-4-211102	88
570-74585-9	B3-6-211102	69
LCS 570-191858/1-A	Lab Control Sample	91
LCS 570-192185/1-A	Lab Control Sample	86
LCSD 570-191858/2-A	Lab Control Sample Dup	91
LCSD 570-192185/2-A	Lab Control Sample Dup	66
MB 570-191858/3-A	Method Blank	61
MB 570-192185/3-A	Method Blank	62

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-138)
570-73736-A-1-C MS	Matrix Spike	107
570-73736-A-1-D MSD	Matrix Spike Duplicate	104
570-74585-1	B1-2-211102	118
570-74585-2	B1-4-211102	113
570-74585-3	B1-6-211102	125
570-74585-4	B2-2-211102	110
570-74585-5	B2-4-211102	112
570-74585-6	B2-6-211102	112
570-74585-7	B3-2-211102	113
570-74585-8	B3-4-211102	112
570-74585-9	B3-6-211102	110
LCS 570-191634/2-A	Lab Control Sample	108
LCSD 570-191634/3-A	Lab Control Sample Dup	109
MB 570-191634/1-A	Method Blank	105

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-191858/3-A
Matrix: Solid
Analysis Batch: 191842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.055	mg/Kg		11/04/21 14:44	11/04/21 16:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*		*42 - 126*	*11/04/21 14:44*	*11/04/21 16:43*	*1*

Lab Sample ID: LCS 570-191858/1-A
Matrix: Solid
Analysis Batch: 191842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191858

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2.12	1.89		mg/Kg		89	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*42 - 126*

Lab Sample ID: LCSD 570-191858/2-A
Matrix: Solid
Analysis Batch: 191842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191858

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.13	1.85		mg/Kg		87	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*42 - 126*

Lab Sample ID: 570-74585-1 MS
Matrix: Solid
Analysis Batch: 191842

Client Sample ID: B1-2-211102
Prep Type: Total/NA
Prep Batch: 191858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)	0.34	F1	2.13	1.55		mg/Kg		57	48 - 114		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*42 - 126*

Lab Sample ID: 570-74585-1 MSD
Matrix: Solid
Analysis Batch: 191842

Client Sample ID: B1-2-211102
Prep Type: Total/NA
Prep Batch: 191858

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	0.34	F1	2.12	1.35	F1	mg/Kg		47	48 - 114	14	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*42 - 126*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-192185/3-A
Matrix: Solid
Analysis Batch: 192206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.055	mg/Kg		11/05/21 13:30	11/05/21 16:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*42 - 126*	*11/05/21 13:30*	*11/05/21 16:58*	*1*

Lab Sample ID: LCS 570-192185/1-A
Matrix: Solid
Analysis Batch: 192206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2.13	1.71		mg/Kg		80	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*42 - 126*

Lab Sample ID: LCSD 570-192185/2-A
Matrix: Solid
Analysis Batch: 192206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192185

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.12	1.74		mg/Kg		82	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*66*		*42 - 126*

Lab Sample ID: 570-74585-7 MS
Matrix: Solid
Analysis Batch: 192206

Client Sample ID: B3-2-211102
Prep Type: Total/NA
Prep Batch: 192185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)	0.14		2.12	1.54		mg/Kg		66	48 - 114		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*

Lab Sample ID: 570-74585-7 MSD
Matrix: Solid
Analysis Batch: 192206

Client Sample ID: B3-2-211102
Prep Type: Total/NA
Prep Batch: 192185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	0.14		2.11	1.60		mg/Kg		69	48 - 114	4	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*69*		*42 - 126*

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Lab Sample ID: MB 570-191634/1-A
Matrix: Solid
Analysis Batch: 191771

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.8	mg/Kg		11/03/21 21:50	11/04/21 17:05	1
C23-C40	ND		5.0	3.8	mg/Kg		11/03/21 21:50	11/04/21 17:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*60 - 138*	*11/03/21 21:50*	*11/04/21 17:05*	*1*

Lab Sample ID: LCS 570-191634/2-A
Matrix: Solid
Analysis Batch: 191771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191634

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	354		mg/Kg		89	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: LCSD 570-191634/3-A
Matrix: Solid
Analysis Batch: 191771

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191634

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	457	*1	mg/Kg		114	80 - 130	25	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*109*		*60 - 138*

Lab Sample ID: 570-73736-A-1-C MS
Matrix: Solid
Analysis Batch: 191771

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 191634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND	*1	382	435		mg/Kg		114	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*107*		*60 - 138*

Lab Sample ID: 570-73736-A-1-D MSD
Matrix: Solid
Analysis Batch: 191771

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 191634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	*1	385	425		mg/Kg		110	43 - 165	2	35

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO) (Continued)

Lab Sample ID: 570-73736-A-1-D MSD
Matrix: Solid
Analysis Batch: 191771

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 191634

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Method: 9045C - pH

Lab Sample ID: 570-74585-1 DU
Matrix: Solid
Analysis Batch: 191636

Client Sample ID: B1-2-211102
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.2			8.3		S.U.				1	25

GC VOA

Analysis Batch: 191842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-1	B1-2-211102	Total/NA	Solid	8015B	191858
570-74585-2	B1-4-211102	Total/NA	Solid	8015B	191858
570-74585-3	B1-6-211102	Total/NA	Solid	8015B	191858
570-74585-5	B2-4-211102	Total/NA	Solid	8015B	191858
570-74585-6	B2-6-211102	Total/NA	Solid	8015B	191858
570-74585-9	B3-6-211102	Total/NA	Solid	8015B	191858
MB 570-191858/3-A	Method Blank	Total/NA	Solid	8015B	191858
LCS 570-191858/1-A	Lab Control Sample	Total/NA	Solid	8015B	191858
LCSD 570-191858/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	191858
570-74585-1 MS	B1-2-211102	Total/NA	Solid	8015B	191858
570-74585-1 MSD	B1-2-211102	Total/NA	Solid	8015B	191858

Prep Batch: 191858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-1	B1-2-211102	Total/NA	Solid	5030C	
570-74585-2	B1-4-211102	Total/NA	Solid	5030C	
570-74585-3	B1-6-211102	Total/NA	Solid	5030C	
570-74585-5	B2-4-211102	Total/NA	Solid	5030C	
570-74585-6	B2-6-211102	Total/NA	Solid	5030C	
570-74585-9	B3-6-211102	Total/NA	Solid	5030C	
MB 570-191858/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-191858/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-191858/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-74585-1 MS	B1-2-211102	Total/NA	Solid	5030C	
570-74585-1 MSD	B1-2-211102	Total/NA	Solid	5030C	

Prep Batch: 192185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-4	B2-2-211102	Total/NA	Solid	5030C	
570-74585-7	B3-2-211102	Total/NA	Solid	5030C	
570-74585-8	B3-4-211102	Total/NA	Solid	5030C	
MB 570-192185/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-192185/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-192185/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-74585-7 MS	B3-2-211102	Total/NA	Solid	5030C	
570-74585-7 MSD	B3-2-211102	Total/NA	Solid	5030C	

Analysis Batch: 192206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-4	B2-2-211102	Total/NA	Solid	8015B	192185
570-74585-7	B3-2-211102	Total/NA	Solid	8015B	192185
570-74585-8	B3-4-211102	Total/NA	Solid	8015B	192185
MB 570-192185/3-A	Method Blank	Total/NA	Solid	8015B	192185
LCS 570-192185/1-A	Lab Control Sample	Total/NA	Solid	8015B	192185
LCSD 570-192185/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	192185
570-74585-7 MS	B3-2-211102	Total/NA	Solid	8015B	192185
570-74585-7 MSD	B3-2-211102	Total/NA	Solid	8015B	192185

GC Semi VOA

Prep Batch: 191634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-1	B1-2-211102	Total/NA	Solid	3550C	
570-74585-2	B1-4-211102	Total/NA	Solid	3550C	
570-74585-3	B1-6-211102	Total/NA	Solid	3550C	
570-74585-4	B2-2-211102	Total/NA	Solid	3550C	
570-74585-5	B2-4-211102	Total/NA	Solid	3550C	
570-74585-6	B2-6-211102	Total/NA	Solid	3550C	
570-74585-7	B3-2-211102	Total/NA	Solid	3550C	
570-74585-8	B3-4-211102	Total/NA	Solid	3550C	
570-74585-9	B3-6-211102	Total/NA	Solid	3550C	
MB 570-191634/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-191634/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-191634/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-73736-A-1-C MS	Matrix Spike	Total/NA	Solid	3550C	
570-73736-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 191771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-1	B1-2-211102	Total/NA	Solid	8015B	191634
570-74585-2	B1-4-211102	Total/NA	Solid	8015B	191634
570-74585-3	B1-6-211102	Total/NA	Solid	8015B	191634
570-74585-4	B2-2-211102	Total/NA	Solid	8015B	191634
570-74585-5	B2-4-211102	Total/NA	Solid	8015B	191634
570-74585-6	B2-6-211102	Total/NA	Solid	8015B	191634
570-74585-7	B3-2-211102	Total/NA	Solid	8015B	191634
570-74585-8	B3-4-211102	Total/NA	Solid	8015B	191634
570-74585-9	B3-6-211102	Total/NA	Solid	8015B	191634
MB 570-191634/1-A	Method Blank	Total/NA	Solid	8015B	191634
LCS 570-191634/2-A	Lab Control Sample	Total/NA	Solid	8015B	191634
LCSD 570-191634/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	191634
570-73736-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B	191634
570-73736-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	191634

General Chemistry

Leach Batch: 191605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-1	B1-2-211102	Total/NA	Solid	DI Leach	
570-74585-2	B1-4-211102	Total/NA	Solid	DI Leach	
570-74585-3	B1-6-211102	Total/NA	Solid	DI Leach	
570-74585-7	B3-2-211102	Total/NA	Solid	DI Leach	
570-74585-8	B3-4-211102	Total/NA	Solid	DI Leach	
570-74585-9	B3-6-211102	Total/NA	Solid	DI Leach	
570-74585-1 DU	B1-2-211102	Total/NA	Solid	DI Leach	

Analysis Batch: 191636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-1	B1-2-211102	Total/NA	Solid	9045C	191605
570-74585-2	B1-4-211102	Total/NA	Solid	9045C	191605
570-74585-3	B1-6-211102	Total/NA	Solid	9045C	191605
570-74585-7	B3-2-211102	Total/NA	Solid	9045C	191605
570-74585-8	B3-4-211102	Total/NA	Solid	9045C	191605

General Chemistry (Continued)

Analysis Batch: 191636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-74585-9	B3-6-211102	Total/NA	Solid	9045C	191605
570-74585-1 DU	B1-2-211102	Total/NA	Solid	9045C	191605

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Client Sample ID: B1-2-211102
Date Collected: 11/02/21 08:48
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.04 g	5 mL	191858	11/04/21 14:44	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	191842	11/04/21 20:37	P1R	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.04 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/04/21 22:15	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Leach	DI Leach			20.01 g	20 mL	191605	11/03/21 19:22	WN6Y	ECL 1
Total/NA	Analysis	9045C		1	20 mL	20 mL	191636	11/03/21 22:11	WN6Y	ECL 1
	Instrument ID: PH4									

Client Sample ID: B1-4-211102
Date Collected: 11/02/21 08:56
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.00 g	5 mL	191858	11/04/21 14:44	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	191842	11/04/21 22:04	P1R	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.77 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/04/21 22:35	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Leach	DI Leach			20.02 g	20 mL	191605	11/03/21 19:22	WN6Y	ECL 1
Total/NA	Analysis	9045C		1	20 mL	20 mL	191636	11/03/21 22:11	WN6Y	ECL 1
	Instrument ID: PH4									

Client Sample ID: B1-6-211102
Date Collected: 11/02/21 09:02
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	191858	11/04/21 14:44	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	191842	11/04/21 23:34	P1R	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.73 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/04/21 22:56	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Leach	DI Leach			20.03 g	20 mL	191605	11/03/21 19:22	WN6Y	ECL 1
Total/NA	Analysis	9045C		1	20 mL	20 mL	191636	11/03/21 22:11	WN6Y	ECL 1
	Instrument ID: PH4									

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Client Sample ID: B2-2-211102
Date Collected: 11/02/21 11:40
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.00 g	5 mL	192185	11/05/21 13:30	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	192206	11/05/21 19:27	A9VE	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3550C			9.63 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/04/21 23:17	N5Y3	ECL 1
	Instrument ID: GC48									

Client Sample ID: B2-4-211102
Date Collected: 11/02/21 11:45
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.01 g	5 mL	191858	11/04/21 14:44	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	191842	11/05/21 00:32	P1R	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.47 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/04/21 23:37	N5Y3	ECL 1
	Instrument ID: GC48									

Client Sample ID: B2-6-211102
Date Collected: 11/02/21 11:50
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.00 g	5 mL	191858	11/04/21 14:44	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	191842	11/05/21 01:01	P1R	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.39 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/04/21 23:58	N5Y3	ECL 1
	Instrument ID: GC48									

Client Sample ID: B3-2-211102
Date Collected: 11/02/21 13:55
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.00 g	5 mL	192185	11/05/21 13:30	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	192206	11/05/21 17:52	A9VE	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3550C			9.82 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/05/21 00:18	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Leach	DI Leach			20.02 g	20 mL	191605	11/03/21 19:22	WN6Y	ECL 1
Total/NA	Analysis	9045C		1	20 mL	20 mL	191636	11/03/21 22:11	WN6Y	ECL 1
	Instrument ID: PH4									

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Client Sample ID: B3-4-211102

Date Collected: 11/02/21 14:00
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	192185	11/05/21 13:30	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	192206	11/05/21 19:03	A9VE	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3550C			10.27 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/05/21 00:40	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Leach	DI Leach			20.01 g	20 mL	191605	11/03/21 19:22	WN6Y	ECL 1
Total/NA	Analysis	9045C		1	20 mL	20 mL	191636	11/03/21 22:11	WN6Y	ECL 1
	Instrument ID: PH4									

Client Sample ID: B3-6-211102

Date Collected: 11/02/21 14:05
Date Received: 11/02/21 15:35

Lab Sample ID: 570-74585-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.99 g	5 mL	191858	11/04/21 14:44	VA9L	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	191842	11/05/21 02:28	P1R	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.38 g	10 mL	191634	11/03/21 21:50	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			191771	11/05/21 01:01	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Leach	DI Leach			20.01 g	20 mL	191605	11/03/21 19:22	WN6Y	ECL 1
Total/NA	Analysis	9045C		1	20 mL	20 mL	191636	11/03/21 22:11	WN6Y	ECL 1
	Instrument ID: PH4									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics(DRO)/Oil Range Organics (ORO)	SW846	ECL 1
9045C	pH	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
DI Leach	Deionized Water Leaching Procedure	ASTM	ECL 1

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Ramboll US Corporation
Project/Site: Artesia Dairies

Job ID: 570-74585-1
SDG: 11709 East Artesia Blvd., Artesia, CA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-74585-1	B1-2-211102	Solid	11/02/21 08:48	11/02/21 15:35
570-74585-2	B1-4-211102	Solid	11/02/21 08:56	11/02/21 15:35
570-74585-3	B1-6-211102	Solid	11/02/21 09:02	11/02/21 15:35
570-74585-4	B2-2-211102	Solid	11/02/21 11:40	11/02/21 15:35
570-74585-5	B2-4-211102	Solid	11/02/21 11:45	11/02/21 15:35
570-74585-6	B2-6-211102	Solid	11/02/21 11:50	11/02/21 15:35
570-74585-7	B3-2-211102	Solid	11/02/21 13:55	11/02/21 15:35
570-74585-8	B3-4-211102	Solid	11/02/21 14:00	11/02/21 15:35
570-74585-9	B3-6-211102	Solid	11/02/21 14:05	11/02/21 15:35

RAMBOLL

CHAIN-OF-CUSTODY FORM

№ 16619 74585

PROJECT NAME/FACILITY ID: Artesia Dairies
PROJECT NUMBER: 44025523
PROJECT LOCATION: Artesia, CA
DATE: 11/2/2021
FIELD PERSON#: J. Totaro
PROJECT MANAGER: B. Bauer
LABORATORY: Eurofins

Sampler: Jacob Totaro
Signature: Jacob Totaro

570-74585 Chain of Custody

	SAMPLE ID NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (F)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR, (SG) SOIL GAS, (so) SOIL (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	Analysis Required: TPH (full range)	Analysis Required: pH	COMMENTS
1	B1-2-211102	11/2/21	0848	2	-	SO	1	-	NO	X	X	email results to BBauer@rambll.com MRaposo@rambll.com
2	B1-4-211102		0856	4						X	X	DO NOT ANALYZE for PH at B2- locations
3	B1-6-211102		0902	6						X	X	
4	B2-2-211102		1140	2						X	X	
5	B2-4-211102		1145	4						X	X	
6	B2-6-211102		1150	6						X	X	
7	B3-2-211102		1355	2						X	X	
8	B3-4-211102		1400	4						X	X	
9	B3-6-211102	11/2/21	1405	6	-	SO	1	-	NO	X	X	
	TOTAL											

11/2/21 BT

11/2/21 BT

H = HCL N = HNO S = H_2SO U = UNKNOWN NO = NONE O = OTHER V = VARIOUS

RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE
Jacob Totaro	1535 11/2/2021	ECI	15:35 11-2-2021
RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE
RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE

TURNAROUND TIME (CIRCLE ONE): SAME DAY | 24 HOURS | 48 HOURS | 72 HOURS | 5 DAYS | NORMAL

SAMPLE INTEGRITY: INTACT Y N TEMP_____

SAMPLE INTEGRITY: INTACT Y N

SWBU Office Locations
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- ☐ 350 S Grand Avenue, Suite 2800, Los Angeles, CA 90071 +1 213 943 6300 +1 213 943 6301
- ☐ 2111 East Highland Avenue Suite 402 Phoenix AZ 85016 +1 602 734 7700 +1 602 734-7701

4.1/5.0 SCS

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11/9/2021

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 570-74585-1
SDG Number: 11709 East Artesia Blvd., Artesia, CA

Login Number: 74585
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 12/08/2021 10:40:45
Laboratory Job No. (Certificate of Analysis No.)	2112-00027
Project Name / No.	11709 E. Artesia Blvd., Artesia, CA Borstein Artesia
Dates Sampled (from/to)	12/03/21 To 12/03/21
Dates Received (from/to)	12/03/21 To 12/03/21
Dates Reported (from/to)	12/08/21 To 12/8/2021
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
RSV-3-5,211203	Tetrachloroethene	**0.13**		µg/L	0.025	RSV-5-5,211203	1,2,4-Trimethylbenzene	***0.020***	J	µg/L	0.025
RSV-5-5,211203	Benzene	**0.030**		µg/L	0.025	RSV-5-5,211203	Ethylbenzene	***0.020***	J	µg/L	0.025
RSV-5-5,211203	Tetrachloroethene	**0.050**		µg/L	0.025	RSV-5-5,211203	Toluene	**1.8**		µg/L	0.025
RSV-5-5,211203	m,p-Xylenes	**0.080**		µg/L	0.050	RSV-5-5,211203	o-Xylene	**0.030**		µg/L	0.025
RSV-7-5,211203	Toluene	**0.040**		µg/L	0.025	RSV-10-5,211203	Chloroform	**0.27**		µg/L	0.025
RSV-10-5,211203	Toluene	***0.020***	J	µg/L	0.025						

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 001 **RSV-1-5,211203** Date & Time Sampled: 12/03/21 @ 7:38
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	7:48	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	7:48	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 001 **RSV-1-5,211203** Date & Time Sampled: 12/03/21 @ 7:38
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	7:48	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	7:48	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 **RSV-1-5,211203**								Date & Time Sampled: 12/03/21 @ 7:38		
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	7:48	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	7:48	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	7:48	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	7:48	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	7:48	IG
[VOC Surrogates]										
Dibromofluoromethane	106		%REC	EPA 8260B			70-130	12/03/21	7:48	IG
Toluene-D8	108		%REC	EPA 8260B			70-130	12/03/21	7:48	IG
Bromofluorobenzene	81		%REC	EPA 8260B			70-130	12/03/21	7:48	IG
Sample: 002 **RSV-2-5,211203**								Date & Time Sampled: 12/03/21 @ 7:59		
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	8:09	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 002 **RSV-2-5,211203** Date & Time Sampled: 12/03/21 @ 7:59
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	8:09	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 002 **RSV-2-5,211203** Date & Time Sampled: 12/03/21 @ 7:59
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	8:09	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	8:09	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	8:09	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	8:09	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	8:09	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 **RSV-2-5,211203**							Date & Time Sampled:	12/03/21	@	7:59
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
.....continued										
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:09	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:09	IG
[VOC Surrogates]										
Dibromofluoromethane	99		%REC	EPA 8260B			70-130	12/03/21	8:09	IG
Toluene-D8	107		%REC	EPA 8260B			70-130	12/03/21	8:09	IG
Bromofluorobenzene	85		%REC	EPA 8260B			70-130	12/03/21	8:09	IG
Sample: 003 **RSV-3-5,211203**							Date & Time Sampled:	12/03/21	@	8:21
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	8:31	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	8:31	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
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LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 003 **RSV-3-5,211203** Date & Time Sampled: 12/03/21 @ 8:21
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	8:31	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 003 **RSV-3-5,211203** Date & Time Sampled: 12/03/21 @ 8:21
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	8:31	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Tetrachloroethene	**0.13**		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	8:31	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	8:31	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	8:31	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:31	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:31	IG
[VOC Surrogates]										
Dibromofluoromethane	105		%REC	EPA 8260B			70-130	12/03/21	8:31	IG
Toluene-D8	105		%REC	EPA 8260B			70-130	12/03/21	8:31	IG
Bromofluorobenzene	79		%REC	EPA 8260B			70-130	12/03/21	8:31	IG

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LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 004 **RSV-4-5,211203** Date & Time Sampled: 12/03/21 @ 8:43
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	8:53	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	8:53	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 004 **RSV-4-5,211203** Date & Time Sampled: 12/03/21 @ 8:43
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	8:53	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	8:53	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 **RSV-4-5,211203**								Date & Time Sampled:	12/03/21 @	8:43
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	8:53	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	8:53	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	8:53	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	8:53	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	8:53	IG
[VOC Surrogates]										
Dibromofluoromethane	111		%REC	EPA 8260B			70-130	12/03/21	8:53	IG
Toluene-D8	106		%REC	EPA 8260B			70-130	12/03/21	8:53	IG
Bromofluorobenzene	84		%REC	EPA 8260B			70-130	12/03/21	8:53	IG
Sample: 005 **RSV-5-5,211203**								Date & Time Sampled:	12/03/21 @	9:05
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Benzene	**0.030**		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	9:15	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 005 **RSV-5-5,211203** Date & Time Sampled: 12/03/21 @ 9:05
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	9:15	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG

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LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 005 **RSV-5-5,211203** Date & Time Sampled: 12/03/21 @ 9:05
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Ethylbenzene	***0.020***	J	µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	9:15	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	9:15	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Tetrachloroethene	**0.050**		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Toluene	**1.8**		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	9:15	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,2,4-Trimethylbenzene	***0.020***	J	µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	9:15	IG
m,p-Xylenes	**0.080**		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	9:15	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 **RSV-5-5,211203**							Date & Time Sampled:	12/03/21	@	9:05
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
.....continued										
o-Xylene	**0.030**		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:15	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:15	IG
[VOC Surrogates]										
Dibromofluoromethane	105		%REC	EPA 8260B			70-130	12/03/21	9:15	IG
Toluene-D8	108		%REC	EPA 8260B			70-130	12/03/21	9:15	IG
Bromofluorobenzene	82		%REC	EPA 8260B			70-130	12/03/21	9:15	IG
Sample: 006 **RSV-7-5,211203**							Date & Time Sampled:	12/03/21	@	9:17
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	9:37	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	9:37	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG

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RAMBOLL
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SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 006 **RSV-7-5,211203** Date & Time Sampled: 12/03/21 @ 9:17
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	9:37	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 006 **RSV-7-5,211203** Date & Time Sampled: 12/03/21 @ 9:17
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	9:37	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Toluene	**0.040**		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	9:37	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	9:37	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	9:37	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:37	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:37	IG
[VOC Surrogates]										
Dibromofluoromethane	103		%REC	EPA 8260B			70-130	12/03/21	9:37	IG
Toluene-D8	106		%REC	EPA 8260B			70-130	12/03/21	9:37	IG
Bromofluorobenzene	80		%REC	EPA 8260B			70-130	12/03/21	9:37	IG

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RAMBOLL
DENISSE SAHAKIAN
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SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 007 **RSV-10-5,211203** Date & Time Sampled: 12/03/21 @ 9:49
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	9:59	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	9:59	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Chloroform	**0.27**		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG

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Customer P.O. Borstein Artesia

Sample: 007 **RSV-10-5,211203** Date & Time Sampled: 12/03/21 @ 9:49
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	9:59	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	9:59	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Toluene	***0.020***	J	µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 **RSV-10-5,211203**							Date & Time Sampled:	12/03/21	@ 9:49	
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	9:59	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	9:59	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	9:59	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	9:59	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	9:59	IG
[VOC Surrogates]										
Dibromofluoromethane	106		%REC	EPA 8260B			70-130	12/03/21	9:59	IG
Toluene-D8	107		%REC	EPA 8260B			70-130	12/03/21	9:59	IG
Bromofluorobenzene	81		%REC	EPA 8260B			70-130	12/03/21	9:59	IG
Sample: 008 **RSV-9-5,211203**							Date & Time Sampled:	12/03/21	@ 10:13	
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	10:23	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 008 **RSV-9-5,211203** Date & Time Sampled: 12/03/21 @ 10:13
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	10:23	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 008 **RSV-9-5,211203** Date & Time Sampled: 12/03/21 @ 10:13
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	10:23	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	10:23	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	10:23	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	10:23	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	10:23	IG

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Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 **RSV-9-5,211203**							Date & Time Sampled:	12/03/21	@	10:13
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
.....continued										
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:23	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:23	IG
[VOC Surrogates]										
Dibromofluoromethane	111		%REC	EPA 8260B			70-130	12/03/21	10:23	IG
Toluene-D8	105		%REC	EPA 8260B			70-130	12/03/21	10:23	IG
Bromofluorobenzene	85		%REC	EPA 8260B			70-130	12/03/21	10:23	IG
Sample: 009 **RSV-8-5,211203**							Date & Time Sampled:	12/03/21	@	10:37
Sample Matrix: **Air**										
Purge Volume Sampled: **3**										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	10:47	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	10:47	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 009 **RSV-8-5,211203** Date & Time Sampled: 12/03/21 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	10:47	IG

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Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	12/08/21
Date Received	12/03/21
Invoice No.	93553
Cust #	R001
Permit Number	
Customer P.O.	Borstein Artesia

Sample: 009 **RSV-8-5,211203** Date & Time Sampled: 12/03/21 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	10:47	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	10:47	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	10:47	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	10:47	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	10:47	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	10:47	IG
[VOC Surrogates]										
Dibromofluoromethane	108		%REC	EPA 8260B			70-130	12/03/21	10:47	IG
Toluene-D8	105		%REC	EPA 8260B			70-130	12/03/21	10:47	IG
Bromofluorobenzene	82		%REC	EPA 8260B			70-130	12/03/21	10:47	IG

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CERTIFICATE OF ANALYSIS

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
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LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 010 **RSV-8-5 DUP,211203** Date & Time Sampled: 12/03/21 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Benzene	<0.0060		µg/L	EPA 8260B	0.3	0.0060	0.025	12/03/21	11:09	IG
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	12/03/21	11:09	IG
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2-Dibromoethane (EDB)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG

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LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported 12/08/21
Date Received 12/03/21
Invoice No. 93553
Cust # R001
Permit Number
Customer P.O. Borstein Artesia

Sample: 010 **RSV-8-5 DUP,211203** Date & Time Sampled: 12/03/21 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	12/03/21	11:09	IG
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	12/03/21	11:09	IG
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Tetrachloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG

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Permit Number	
Customer P.O.	Borstein Artesia

Sample: 010 **RSV-8-5 DUP,211203** Date & Time Sampled: 12/03/21 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	12/03/21	11:09	IG
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	12/03/21	11:09	IG
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	12/03/21	11:09	IG
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	12/03/21	11:09	IG
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	12/03/21	11:09	IG
[VOC Surrogates]										
Dibromofluoromethane	103		%REC	EPA 8260B			70-130	12/03/21	11:09	IG
Toluene-D8	107		%REC	EPA 8260B			70-130	12/03/21	11:09	IG
Bromofluorobenzene	80		%REC	EPA 8260B			70-130	12/03/21	11:09	IG

Respectfully Submitted: Ken Zheng

Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

2112-00027

RAMBOLL
DENISSE SAHAKIAN
350 S. GRAND AVE.
SUITE 2800
LOS ANGELES, CA 90071

Project: 11709 E. Artesia Blvd., Artesia, CA

Date Reported	**12/08/2021**
Date Received	**12/03/2021**
Date Sampled	**12/03/2021**
Invoice No.	**93553**
Customer #	**R001**
Customer P.O.	**Borstein Artesia**

Method # EPA 8260B
QC Reference # 99819 **Date Analyzed:** 12/3/2021 **Technician:** IG
Samples 001 002 003 004 005 006 007 008 009 010

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR% REC
1,1-Dichloroethene	95	94	1.1	
Benzene	130	116	17.8	
Bromofluorobenzene				89
Chlorobenzene	122	106	13.8	
Dibromofluoromethan				110
Toluene	130	109	18.0	
Toluene-D8				103
Trichloroethene	120	102	16.2	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
70 - 130	0 - 25	
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	

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QUALITY CONTROL DATA REPORT

2112-00027

RAMBOLL
DENISSE SAHAKIAN

Date Reported 12/08/2021
Date Received 12/03/2021
Date Sampled 12/03/2021

Project: 11709 E. Artesia Blvd., Artesia, CA

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL
99819	Acetone	<0.1250		µg/L	0.1250
	t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	0.0125
	Benzene	<0.0060		µg/L	0.0060
	Bromobenzene	<0.0125		µg/L	0.0125
	Bromochloromethane	<0.0125		µg/L	0.0125
	Bromodichloromethane	<0.0125		µg/L	0.0125
	Bromoform	<0.0125		µg/L	0.0125
	Bromomethane	<0.0125		µg/L	0.0125
	t-Butanol (TBA)	<0.1250		µg/L	0.1250
	2-Butanone (MEK)	<0.1250		µg/L	0.1250
	n-Butylbenzene	<0.0125		µg/L	0.0125
	sec-Butylbenzene	<0.0125		µg/L	0.0125
	tert-Butylbenzene	<0.0125		µg/L	0.0125
	Carbon Disulfide	<0.1250		µg/L	0.1250
	Carbon Tetrachloride	<0.0063		µg/L	0.0063
	Chlorobenzene	<0.0125		µg/L	0.0125
	Chloroethane	<0.0125		µg/L	0.0125
	Chloroform	<0.0125		µg/L	0.0125
	Chloromethane	<0.0125		µg/L	0.0125
	2-Chlorotoluene	<0.0125		µg/L	0.0125
	4-Chlorotoluene	<0.0125		µg/L	0.0125
	Dibromochloromethane	<0.0125		µg/L	0.0125
	1,2-Dibromoethane (EDB)	<0.0125		µg/L	0.0125
	1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	0.0125
	Dibromomethane	<0.0125		µg/L	0.0125
	1,2-Dichlorobenzene	<0.0125		µg/L	0.0125
	1,3-Dichlorobenzene	<0.0125		µg/L	0.0125
	1,4-Dichlorobenzene	<0.0125		µg/L	0.0125
	Dichlorodifluoromethane	<0.0125		µg/L	0.0125
	1,1-Dichloroethane	<0.0125		µg/L	0.0125
	1,2-Dichloroethane	<0.0125		µg/L	0.0125
	1,1-Dichloroethene	<0.0125		µg/L	0.0125
	cis-1,2-Dichloroethene	<0.0125		µg/L	0.0125
	trans-1,2-Dichloroethene	<0.0125		µg/L	0.0125
	1,2-Dichloropropane	<0.0125		µg/L	0.0125
	1,3-Dichloropropane	<0.0125		µg/L	0.0125
	2,2-Dichloropropane	<0.0125		µg/L	0.0125
	1,1-Dichloropropene	<0.0125		µg/L	0.0125
	cis-1,3-Dichloropropene	<0.0125		µg/L	0.0125
	trans-1,3-Dichloropropene	<0.0125		µg/L	0.0125
	Diisopropyl Ether (DiPE)	<0.0125		µg/L	0.0125
	Ethylbenzene	<0.0125		µg/L	0.0125
	Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	0.0125
	Hexachlorobutadiene	<0.0125		µg/L	0.0125
	2-Hexanone	<0.1250		µg/L	0.1250
	Isopropylbenzene	<0.0125		µg/L	0.0125
	4-Isopropyltoluene	<0.0125		µg/L	0.0125
	Methylene Chloride	<0.0125		µg/L	0.0125
	4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	0.1250
	Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	0.0125
	Naphthalene	<0.0080		µg/L	0.0080
	n-Propylbenzene	<0.0125		µg/L	0.0125
	Styrene	<0.0125		µg/L	0.0125
	1,1,1,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	1,1,2,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	Tetrachloroethene	<0.0125		µg/L	0.0125
	Toluene	<0.0125		µg/L	0.0125
	1,2,3-Trichlorobenzene	<0.0125		µg/L	0.0125
	1,2,4-Trichlorobenzene	<0.0125		µg/L	0.0125
	1,1,1-Trichloroethane	<0.0125		µg/L	0.0125
	1,1,2-Trichloroethane	<0.0125		µg/L	0.0125
	Trichloroethene	<0.0125		µg/L	0.0125
	1,2,3-Trichloropropane	<0.0050		µg/L	0.0050
	Trichlorofluoromethane	<0.0125		µg/L	0.0125
	Trichlorotrifluoroethane	<0.0125		µg/L	0.0125
	1,2,4-Trimethylbenzene	<0.0125		µg/L	0.0125
	1,3,5-Trimethylbenzene	<0.0125		µg/L	0.0125
	Vinyl Chloride	<0.0020		µg/L	0.0020
	m,p-Xylenes	<0.0250		µg/L	0.0250
	o-Xylene	<0.0125		µg/L	0.0125
	Isopropanol (IPA)	<0.1250		µg/L	0.1250

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QUALITY CONTROL DATA REPORT

2112-00027

RAMBOLL
DENISSE SAHAKIAN

Date Reported	**12/08/2021**
Date Received	**12/03/2021**
Date Sampled	**12/03/2021**

Project: 11709 E. Artesia Blvd., Artesia, CA

Respectfully Submitted: Ken Zheng

Ken Zheng - President

ARL

A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
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CHAIN OF CUSTODY

A & R Work Order #: 2112-27

Page 1 of 1

Client Name: Ramboll
E-mail: DHernandez@ramboll.com
Address: 350 S. Grand Ave., Ste. 2800, LA, CA 90071
Report Attention: Derusse H. | Phone #: 213-943-6312 | Fax: # | Sampled By: IG
Project No./ Name:
Project Site: 11709 E. Artesia Blvd, Artesia, CA 90701

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☒ Normal

Mobile

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
1	RSV-1-S,211203	12/03/21	7:38	AIR		250mL G	X									3X purge
2	RSV-2-S,211203	↓	7:59	↓		↓	↓									volume
3	RSV-3-S,211203		8:21													
4	RSV-4-S,211203		8:43													
5	RSV-5-S,211203		9:05													
6	RSV-7-S,211203		9:17													
7	RSV-10-S,211203		9:49													
8	RSV-9-S,211203		10:13													
9	RSV-8-S,211203		10:37													
10	RSV-8-S-DUP,211203	↓	10:37	↓		↓	↓									

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Ramboll	12/3/21	~~H90~~ 1130	[signature]	A&R	12/3/21	~~H90~~ 1130

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

APPENDIX E
BORING LOGS

RAMBOLL

Site ID:	RSV-1	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation:	**Not available**
		TOC Elevation:	**Not available**
Sampling Method:	**Not applicable**	X Coordinate:	**Not available**
		Y Coordinate:	**Not available**
Vapor Well Construction:		Borehole Dia.:	**3.25 inches**
		Total Depth:	**5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number:	**Not Available**
		Datum:	**Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name:	**Artesia**
Annular Fill: **Hydrated Bentonite Chips 0-3 feet** **Dry Granular Bentonite 3-4 feet** **Sand 4-5.5 feet**		Remarks:	**Hand auger to 5.5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0							Asphalt		
							GP	GRAVEL (GP): Dark Gray, slightly moist; 90% fine to medium gravel, 5% sand, 5% fines.		
	1						ML	SANDY SILT (ML): Dark Brown, moist; 70% non-plasticity silt, 30% fine to medium sand.		
	2									
	3									
	4									
					1.1					
	5							Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY.GLB

Site ID:	RSV-2	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Vapor Well Construction:		Borehole Dia.: **3.25 inches**	Total Depth: **5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number: **Not Available**	Datum: **Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name: **Artesia**	
Annular Fill: **Hydrated Bentonite Chips 0-3 feet** **Dry Granular Bentonite 3-4 feet** **Sand 4-5.5 feet**		Remarks: **Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**	

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0						Concrete		
	1					SM	SILTY SAND (SM): Dark Gray, moist; 70% fine to medium sand, 25% fines, 5% gravel.		
	2								
	3								
	4					ML	SANDY SILT (ML): Dark Brown, moist; 70% low plasticity fines, 30% very fine sand.		
	5			4.1					
							Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21: Library RAMBOLL 2019 LIBRARY GLB

Site ID:	RSV-3	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Vapor Well Construction:		Borehole Dia.: **3.25 inches**	Total Depth: **5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number: **Not Available**	Datum: **Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name: **Artesia**	
Annular Fill: **Hydrated Bentonite Chips 0-3 feet** **Dry Granular Bentonite 3-4 feet** **Sand 4-5.5 feet**		Remarks: **Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**	

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0							Concrete.		
	1						SM	SILTY SAND (SM): Dark Brown, moist; 60% fine sand, 40% non-plastic fines.		
	2									
	3						ML	SANDY SILT (ML): Dark Brown, moist; 70% low plasticity fines, 30% very fine sand.		
	4				3.7					
	5							Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY GLB

Site ID:	RSV-4	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Vapor Well Construction:		Borehole Dia.: **3.25 inches**	Total Depth: **5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number: **Not Available**	Datum: **Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name: **Artesia**	
Annular Fill: **Hydrated Bentonite Chips 0-3 feet** **Dry Granular Bentonite 3-4 feet** **Sand 4-5.5 feet**		Remarks: **Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**	

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0							Concrete.		
	1						ML	SANDY SILT (ML): Dark Brown, slightly moist; 70% low plasticity fines, 30% fine sand.		
	2									
	3									
	4									
	5				2.0					
								Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY.GLB

Site ID:	RSV-5	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation:	**Not available**
		TOC Elevation:	**Not available**
Sampling Method:	**Not applicable**	X Coordinate:	**Not available**
		Y Coordinate:	**Not available**
Vapor Well Construction:		Borehole Dia.:	**3.25 inches**
		Total Depth:	**5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number:	**Not Available**
		Datum:	**Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name:	**Artesia**
Annular Fill: **Hydrated Bentonite Chips** **0-3 feet** **Dry Granular Bentonite** **3-4 feet** **Sand** **4-5.5 feet**		Remarks:	**Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	1							Concrete.		
	2						GP	GRAVEL (GP): Gray, slighlty moist; 100% medium gravel.		
	3									
	4									
	5				0.8					
								Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY GLB

Site ID:	RSV-6	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Vapor Well Construction:		Borehole Dia.: **3.25 inches**	Total Depth: **2.5 feet**
Blank Tubing: **Not applicable**		Project Number: **Not Available**	Datum: **Not Available**
Screened Interval: **Not applicable**		Project Name: **Artesia**	
Annular Fill: **Not applicable**		Remarks: **2.5 feet of concrete encountered. Soil vapor probe not installed.**	

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	1							Approximately 2.5 feet of concrete. Groundwater not encountered.		
	2									
	3									
	4									
	5									

Sample Graphics

No Recovery
Fill reflects sample type

Rock core

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21: Library RAMBOLL 2019 LIBRARY GLB

Site ID:	RSV-7	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Vapor Well Construction:		Borehole Dia.: **3.25 inches**	Total Depth: **5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number: **Not Available**	Datum: **Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name: **Artesia**	
Annular Fill: **Hydrated Bentonite Chips 0-3 feet** **Dry Granular Bentonite 3-4 feet** **Sand 4-5.5 feet**		Remarks: **Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**	

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0						Concrete.		
	1					ML	SILT WITH SAND (ML): Dark Gray, moist; 90% low plasticity fines, 10% fine sand.		
	2								
	3					SM	SILTY SAND (SM): Brown, slightly moist; 70% very fine sand, 30% non-plasticity fines.		
	4								
	5			3.1					
							Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY.GLB

RAMBOLL

Site ID:	RSV-8	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation:	**Not available**
		TOC Elevation:	**Not available**
Sampling Method:	**Not applicable**	X Coordinate:	**Not available**
		Y Coordinate:	**Not available**
Vapor Well Construction:		Borehole Dia.:	**3.25 inches**
		Total Depth:	**5.5 feet**
Blank Tubing: **Nylaflow Tubing**		Project Number:	**Not Available**
		Datum:	**Not Available**
Screened Interval: **6-inch Probe** **4.5-5 feet**		Project Name:	**Artesia**
Annular Fill: **Hydrated Bentonite Chips 0-3 feet** **Dry Granular Bentonite 3-4 feet** **Sand 4-5.5 feet**		Remarks:	**Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0							Concrete.		
	1						ML	SANDY SILT (ML): Dark Brown, moist; 60% non-plasticity fines, 40% fine sand.		
	2									
	3									
	4									
	5				3.1					
								Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY.GLB

Site ID:	RSV-9	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Borehole Dia.:	**3.25 inches**	Total Depth:	**5.5 feet**
Project Number:	**Not Available**	Datum:	**Not Available**
Project Name:	**Artesia**		
Remarks:	**Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**		

Vapor Well Construction:

Blank Tubing: **Nylaflow Tubing**

Screened Interval: **6-inch Probe** **4.5-5 feet**

Annular Fill: **Hydrated Bentonite Chips** **0-3 feet**
Dry Granular Bentonite **3-4 feet**
Sand **4-5.5 feet**

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
	0							Concrete.		
	1						ML	SILT (ML): Brown, moist; 100% low plasticity fines.		
	2									
	3									
	4									
	5				2.2					
								Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21; Library RAMBOLL 2019 LIBRARY GLB

Site ID:	RSV-10	Date(s):	**12/01/21**
Location:	**11709 East Artesia Boulevard, Artesia, California**		
Logged By:	**J. Duffey**	Checked By:	**B. Bauer, PG**
Contractor:	**ABC Liovin**	Purpose:	**Soil Vapor Sampling**
Drilling Method:	**Hand Auger**	GS Elevation: **Not available**	TOC Elevation: **Not available**
Sampling Method:	**Not applicable**	X Coordinate: **Not available**	Y Coordinate: **Not available**
Vapor Well Construction:		Borehole Dia.: **3.25 inches**	Total Depth: **5.5 feet**
Blank Tubing:		Project Number: **Not Available**	Datum: **Not Available**
Screened Interval:		Project Name: **Artesia**	
Annular Fill:		Remarks: **Hand auger to 5 feet below ground surface (bgs). Soil vapor probe installed at aproximately 5 feet bgs.**	

Elevation (ft)	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description	Water Level	Vapor Well Construction
								Concrete		
	1						SM	SILTY SAND (SM): Brown, moist; 60% fine to medium sand, 40% non-plasticity fines.		
	2									
	3						ML	SANDY SILT (ML): Brown, moist; 70% non-plasticity fines, 30% very fine sand.		
	4				2.2					
	5							Boring terminated at 5.5 feet bgs. Groundwater not encountered.		

Sample Graphics

No Recovery
Fill reflects sample type

Hand auger.

Report: VAPOR_LOG; File: BORSTEIN ARTESIA-SV PROBES.GPJ; 12/16/21: Library RAMBOLL 2019 LIBRARY GLB

APPENDIX F
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

RAMBOLL

ENVIRONMENT & HEALTH

LEO REBELE

Principal

Mr. Rebele is a Principal in the Irvine office of Ramboll, with responsibilities that include business development, client liaison, senior oversight and execution on projects involving environmental site investigation, litigation, remediation, environmental permitting and natural resource management. Experience includes the following:

- Supported private industry for more than 25 years by delivering solutions to problems involving real estate due diligence, waterfront and brownfield redevelopment, transit-oriented development, and ports/harbors and watershed-related services. Project experience has been split between managing uplands projects focusing on property transfer/redevelopment and assisting private and port clients with aquatic-related environmental issues.
- Provided high-level strategic redevelopment consulting services to municipalities and private developers in connection with the transfer and redevelopment of contaminated real estate. Clients include residential, commercial and industrial developers, land owners, attorneys, and real estate brokers. Implementing cost recovery actions by providing environmental litigation support services; designing and implementing environmental liability transfer programs including guaranteed fixed-price remediation (GFPR) contracts.
- Provided environmental litigation support services in matters involving cost recovery actions against responsible parties. Deposition and trial experience including a landmark litigation case 3000 E. Imperial v. Robertshaw Controls et al. Routinely conducts environmental forensics analyses with a specialty in compound-specific isotope analysis (CSIA). Develops and applies multi-media video and animation for purposes of trial exhibits and mediation settlement discussions.
- Managed and supervised dozens of Phase I and II environmental site assessments (ESAs) and remediation projects throughout the western United States, Canada, and Mexico; assessed sites affected by landfill materials, chlorinated solvents, heavy metals, petroleum hydrocarbons (including free product), polychlorinated biphenyls (PCBs), and strong acids; prepared site conceptual models; performed remedial investigation/feasibility studies (RI/FSs); managed the completion of human health risk assessments; and evaluated remedial action alternatives under the Comprehensive

CONTACT INFORMATION

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Environmental Response, Compensation, and Liability Act (CERCLA) and ensuring compliance with the National Contingency Plan (NCP). Regulatory negotiation/site closure experience with various jurisdictional offices of the Regional Water Quality Control Board (CRWQCB) and the California Department of Toxic Substances Control (DTSC), Orange County (California) Health Care Agency, the City and County Fire Departments of Los Angeles and the San Diego County of Environmental Health.

- Managed and provided oversight for projects involving natural resource management issues, including wetland evaluations and permitting, marine benthological studies, sediment and water quality monitoring, and underwater and eelgrass surveys. Experience has also included developing public outreach materials on behalf of private-sector clients, conducting resource mapping using Global Positioning System (GPS) software and geographic information system (GIS) technology.
- Served as program manager for several environmental impact assessments under National Environmental Policy Act (NEPA) and California Environmental Quality Act. Projects include environmental assessments (EAs) for proposed telecommunication sites on federal land, municipal well installations, private urban infill developments and mega-scale solar facilities located in Los Angeles County and San Bernardino County.

EDUCATION

1997
MS, Marine Resource Management (Minor, Aquatic Toxicology)
Oregon State University

1994
BS, Biological Oceanography (Honors)
University of British Columbia

PROJECTS

2016-2017
Environmental Oversight
Mr. Rebele served as the principal-in-charge for the environmental oversight of a sewer line replacement in an area where groundwater impacted by chlorinated volatile organic compounds (cVOCs) associated with a State Superfund site may be encountered by city workers. The scope of work involves navigating concerns of a contentious community group and ensuring the protection of City workers through the development and implementation of a field monitoring program during sewer line construction activities.

2017
Due Diligence and Environmental Compliance Review
Mr. Rebele lead a due diligence and environmental compliance team in support of an acquisition of a 700-acre terminal in the Port of Los Angeles. The work involved a comprehensive assessment of current practices involving the use, storage and disposal of hazardous materials, compliance with air and stormwater regulations, and a review of historical spills and cleanup activities. A Phase I Environmental Site Assessment was conducted as part of the review. A review of California Environmental Quality Act (CEQA) permitting issues was also performed to evaluate the potential for terminal expansion onto an unoccupied portion of the facility.

2017-present

Pilot Testing and Support of Guaranteed Fixed Price Remediation Program

Mr. Rebele is heading a comprehensive site investigation and pilot test to evaluate a proposed groundwater and soil remediation strategy in support of a guaranteed fixed-price remediation (GFPR) strategy. The property, which is being sold to an industrial developer, is impacted by moderated levels of trichloroethylene and perchloroethylene in groundwater, with impacts extending off-site. Concentrations of chlorinated VOCs in soil vapor beneath the manufacturing facility were found to be very high, requiring immediate mitigation. Mr. Rebele is leading the project team to develop a groundwater remedy under a possible GFPR contract option while designing soil vapor extraction and vapor mitigation system that can be implemented in the short term.

2016-present

Implementation of Mitigation Monitoring, New Residential Development

Mr. Rebele served as principal-in-charge for a project involving implementing mitigation monitoring requirements for biological and cultural resources under California Environmental Quality Act (CEQA). Work included conducting ongoing monitoring for cultural and biological resources during disturbance of native soils during grading for a new residential development. Challenges included working with changing client schedules and interfacing with regulatory personnel to keep the project on-track on-schedule.

2016-present

Redevelopment of former ITT Site into new Industrial Complex

Lead consultant for a high-profile industrial redevelopment project in Santa Ana, California. The project involves assisting the prospective developer with the pre-bid due diligence during the seller's auction, evaluating seller's proposed remedial strategy in the context of the proposed development, performing Phase I and II environmental assessments, regulatory agency negotiation, and the design of a vapor mitigation system. Complexities in the due diligence activities include the integration of a polychlorinated biphenyl (PCB) cap into the proposed development and integrating the proposed electrical resistance heating/steam injection remedial program with client's development plans.

2016-2017

Implementation of Soil Management Plan and Soil Stockpile Profiling for Residential Development Project

Mr. Rebele served as client services manager for a project involving the redevelopment of a former foundry and iron works facility. The soils beneath the property were identified though a combined Phase I/II Environmental Site Assessment to be impacted with Cal-Hazardous levels of lead. A combination of field screening using a portable X-Ray Fluorescence (XRF) meter and confirmation soil sampling with formal laboratory analysis in order to profile soils to be exported and to establish residual concentrations in soils. Cost effective management of soils was achieved through carefully interfacing with the client's grading contractor and project phasing.

2015-present

Innovative In-Situ Remediation of Chlorinated Solvents

Account manager for Griffon Corporation to remediate a chlorinated VOC plume in groundwater which is commingled with chlorinated solvent plumes on adjacent properties. The remediation is confounded by access restrictions associated with a storm channel and two sewer lines. In addition two distinct groundwater mounds resulting from leaks in the sewer lines are affecting the groundwater flow and distribution of the contamination. Mr. Rebele is overseeing the forensic evaluation of sources of VOCs, general strategy, remedial approach and is leading regulatory negotiations.

2015-2017

In-situ Capping of Heavy Metal Impacted Soils

For this former tool manufacturing facility (Union Fork and Hoe Company) in upstate New York, Mr. Rebele served as project principal and client service manager. The site, which has been under the

oversight of the New York State Department of Environmental Conservation (NYSDEC) and Department of Environmental Health. Mr. Rebele helped Griffon negotiate a capping remedy of the heavy metals impacted soil. A significant component of the work has been negotiating with NYSDEC and DOH to eliminate a mature wooded area from the remediation area and to reduce the long-term groundwater monitoring obligations.

2005->>>

Ongoing Brownfield Advisory and Consulting Services

Serves in a strategic consulting role on behalf of the City for the remediation and brownfield planning of a 170-acre downtown core area targeted for redevelopment. Work to date has included federal and state brownfield grant procurement and execution, brownfield inventory, development of a GIS system, development of an area-wide brownfield remediation strategy, Phase I and II Environmental Site Assessments, development of multiple remedial action plans under the oversight of the Department of Toxic Substances Control, litigation support for cleanup cost recovery, and waste to energy (WTE) consulting.

2007->>>

Alameda Triangle Redevelopment

Provided oversight and consulting services for an 11.2 acre project comprised of 5 parcels with multiple ownerships and a history of manufacture use dating to World War II. The property uses identified including a former Witco chemical facility located on Caltrans property, a Magnetek transformer repair and refurbishment business, two auto-wrecking yards, a former railroad right-of-way, and a variety of other uses involving the manufacture and use of various chemical materials. The chemicals detected on-site during Gannett Fleming and other site investigations included organochlorine pesticides, PCBs, free product petroleum hydrocarbons in groundwater and soil, chlorinated VOCs in soil and soil vapor, heavy metals and polynuclear aromatic hydrocarbons. The City is in the process of marketing the site for development. Following a multi-media investigation involving substantial site access coordination, Gannett Fleming prepared a Site Investigation Report, Feasibility Study and a Remedial Action Plan (RAP) for the entire Site. The reports were submitted to Department of Toxic Substances Control (DTSC) for review. Gannett Fleming is working with city's environmental counsel to develop a cost recovery strategy.

2017

Economic Development Department

Mr. Rebele is working with the City of South Gate Economic Development Department and their economic development consultant, Rosenow Spivasek Group (RSG,) in addressing environmental impacts associated with a historical gasoline service station. Mr. Rebele and his team were retained to take over all aspects of the assessment and cleanup activities from a prior consultant due to a stalled remedial program.

2015-2016

Operational Transition/Environmental Compliance

Project Principal for an operational transition project involving all aspects of environmental compliance as Bombardier took over rail service and maintenance responsibilities for all rail facilities from the prior operators of the North County Transit District (NCTD) facilities at the Escondido and Oceanside yards. Work involved initial consultation, environmental compliance audits, permitting, preparation of spill prevention control and countermeasure (SPCC) plans, stormwater pollution prevention plans (SWPPS) and environmental compliance plans for ongoing rail operations and facility maintenance.

2014->>>

Remediation of Organochlorine Pesticide Impacted Soils in Support of Residential Development

Mr. Rebele serves as the principal-in-charge for a residential development project involving the remediation of organochlorine pesticides (OCPs) and closure of historical underground storage tanks

(USTs), irrigation wells and low-level volatile organic compounds (VOCs). In his role, Mr. Rebele is served in a strategic capacity to result in a fast-track review and approval of a remedial action plan by transferring the open case file from a local oversight agency to the Santa Ana Regional Water Quality Control Board.

2014-present
Remediation of Groundwater at Logistically Constrained Shopping Center
Mr. Rebele has been serving as principal-in-charge for a complex gasoline remediation project involving very high concentrations of gasoline at a commercial shopping center where site access precludes implementation of many traditional remedies. Mr. Rebele serves as senior technical advisor to the client's environmental counsel and is working to reduce the environmental liabilities of the property owner. Mr. Rebele helped devise a two-part strategy aimed at protecting the current tenants against indoor air intrusion through the development of vapor mitigation systems while conducting an aggressive groundwater remedial program consisting of trenching/product removal followed by in-situ chemical oxidation of groundwater.

2014-present
Environmental Remediation Consulting in Support of Residential Development
Mr. Rebele served in a strategic consulting role for New Urban West, Inc. (NUWI) to support the redevelopment of infill properties throughout southern California. Projects have included former nursery/greenhouse areas, manufacturing operations and properties and areas impacted by fill materials. Currently executing several cleanup programs under a California Land Reuse and Revitalization Act (CLRRA) agreement with the Department of Toxic Substances Control.

2014-2017
Redevelopment Consulting and Remediation
Mr. Rebele serves as the project principal for a residential redevelopment project at a former Teledyne research and development facility and historical agricultural operation. Work has involved several phases of soil, soil vapor and groundwater investigation that included multiple degreaser locations, additional potential source areas of metals and petroleum hydrocarbons and organochlorine pesticides associated with the historical agricultural use. A soil vapor extraction (SVE) was implemented to reduce elevated concentrations of PCE to acceptable levels in order to prepare the Site for residential occupancy. The site is currently undergoing redevelopment.

PUBLICATIONS & PRESENTATIONS

2017
Contaminated Soil Cleanup Methods & Remediation Techniques.
Lorman National Live Webinar.
Rebele, Leo and Tom Bois, Esq.

2017
On the Application of Contaminant Source Identification, Environmental Forensics and Geomorphological Assessment in the Context of Large-Scale Restoration of Sediments in Riverine and Estuarine Depositional Environments.
Rebele, Leo.

2013
Innovative Insurance and Cleanup Strategies: Life Beyond Cost Cap.
Brownfields 2013.
Rebele, Leo and Preston W. Brooks, Esq.

2013
The Renaissance of Lynwood – Community Partnership, Brownfield Revitalization and Transit-Oriented Development.
13th Annual Urban Marketplace. Make a Deal, Make a Difference.
Rebele, Leo and Sarah Withers.

2013
The Use of Compound Specific Isotope Analysis (CSIA) for Discerning Sources of Trichlroethylene (TCE) and Perchloroethylene (PCE) within a Commingled Groundwater Plume in California, USA.
International Network For Environmental Forensics.
Rebele, Leo and Dr. Alan Jeffrey.

2013
Comparison of Two Vacuum Enhanced LNAPL Recovery Systems under the EAR Account Program.
Association for Environmental Health and Sciences Foundation.
Lenker, Carl W., Leo M. Rebele, Arul Ayyaswami.

2012
TOD, Infill and Brownfield Development without Redevelopment Agencies – What Tools are Available Now?
ULI Marketplace.
Rebele, Leo M. (roundtable moderator).

2011
A Forensic Approach to Evaluating Sources and Relative Ages of Free Product and Chlorinated Solvents at a Commingled Plume Site in Support of Cleanup Cost Recovery Litigation.
International Network of Environmental Forensics.
Rebele, Leo M. and Dr. Alan Jeffrey.

2010
Expediting Brownfield Redevelopment by Combining Innovative In-Site Remedial Technologies with GFPR Solutions.
International Network of Environmental Forensics.
Lenker, Carl W., Arul Ayyaswami and Leo M. Rebele.

2009
The Newest Tool In The Brownfields Tool Box.
Brownfields 2009.
Rebele, Leo M. (moderator), Kevin Daehnke, Charlie Bartsch, Tom Cota, Bruce Rasher.

2009
The Road Less Traveled: Transit-Oriented Development From Conception To Implementation During Economic Hard Times.
Brownfields 2009.
Myrna Valdez (moderator), Leo Rebele, Rosanne Albright, Rick Simonetta.

2009
Utilizing 3-Dimensional Modeling and Environmental Visualization Software (EVS) in Support of Forensic Investigations.
INEF.
Rebele, Leo M.

2009
A Meso-Scale Application of a Mixture of Nitrate/Phosphate and Oxygen Release Compound (ORC) to Remediate a Crude Oil Spill.
IPEC.
Rebele, Leo M., Arul Ayyaswami and Ian Ziraldo.

2009
Innovative Approaches to Negotiating A Guaranteed Fixed-Price Remediation (GFPR).
Contract.
Rebele, Leo M. and Arul Ayyaswami.

2008
Electrical Resistance Heating – Selection and Implementation at Brownfield Sites.
Presented at the Paths to Site Closure Workshop.
Rebele, Leo M.

2008
The Power of Combining Rapid Screening Technologies with Environmental Data Visualization Software.
Battelle Conference on the Remediation of Chlorinated and Recalcitrant Compounds.
Rebele, Leo M.

2003
Positive Marine Impacts Resulting From the Construction of Four Artificial Oil Exploration and Production Islands Within the Greater Long Beach/Los Angeles Harbor.
Oceans 2003 Conference.
Rebele, Leo M., Jon Houghton, Dennis Lees, Linda Arsenault, and John Kirby.

1997
An Evaluation of Citizen Volunteer Monitoring Initiatives in the National Estuary Program.
Thesis submitted in partial fulfillment of the requirements for an M.S. degree, College of Oceanic and Atmospheric Sciences, Oregon State University.
Rebele, Leo M.

1994
Observations on the Macrobenthos of a Tidal Flat Previously Affected by Sewage Pollution at Sturgeon Bank, British Columbia.
Submitted in partial fulfillment of the requirements for a B.Sc. degree at the University of British Columbia.
Rebele, Leo M., and Colin D. Levings.

REGISTRATIONS/CERTIFICATIONS

AHERA Certified Building Inspector; 1998

TRAINING/MEMBERSHIPS

40-Hour OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training at Clayton Environmental; 1998
Wetland Delineator; USACE; 1999
Environmental Forensics Short Course; Penn State University; 2013
Leadership in Urban Infill and Sustainable Communities; Urban Land Institute; 2012
Senior Project Manager Training; Gannett Fleming; 2012
Project Principal Training; PSMJ Resources; 2013
Business Development Training, Tetra Tech, 2015
8-Hour OSHA HAZWOPER Refresher Training; 2017

RAMBOLL

ENVIRONMENT & HEALTH

BRIAN BAUER

Managing Consultant

Brian Bauer is a California-licensed Professional Geologist and project manager with over ten years of experience in environmental consulting and geology. During his time at Ramboll, he has focused on the characterization and remediation of subsurface contamination in soil, soil vapor, groundwater and has also conducted extensive indoor air evaluations. Brian has designed, managed, and implemented site characterization programs for properties throughout California involving various hazardous substances including heavy metals, VOCs, petroleum hydrocarbons, polychlorinated biphenyls (PCBs) and per- and polyfluorinated alkyl substances (PFAS). He has provided strategic redevelopment consulting services to private developers and also has supported private industry by developing innovative solutions to complex environmental problems. For example, he recently managed a redevelopment project in Southern California that involved an innovative solution consisting of developing site-specific commercial screening levels, coupled with a land use covenant that allowed impacted soils to remain in-place, saving the client several hundred thousand in remediation costs, making it a viable Brownfield redevelopment project. He is also presently involved in conducting a PFAS liability evaluation to assist with a property transaction. He has directed field investigations and implemented remediation programs under the oversight of regulatory agencies including the DTSC, RWQCB and USEPA. Prior to joining Ramboll, he worked as a staff geologist for a Bowyer Environmental Consulting.

CAREER

2011-2021
Geologist, RAMBOLL

2010-2011
Staff Geologist, Bowyer Environmental Consulting

COURSES/CERTIFICATIONS

Professional Geologist, 2016

EDUCATION

2010-2012
Master's Degree in Geology
CSULB, Long Beach , United States

2008-2010
Bachelors Degree
CSULB, Long Beach , United States

CONTACT INFORMATION

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PROJECTS

2011-2020

Arrow: Norco Project

Arrow Electronics, Inc., United States

As part of RI/FS, Ramboll conducted characterization and remediation for a site location in Norco, California. The characterization and remediation consisted of soil, soil vapor, and groundwater subsurface investigations, on-going operation of a hydraulic control system (HCS) and its associated operation and maintenance (O&M), ISCO injection, phytoremediation and its associated O&M, in-situ thermal desorption (ISTD), zero-valent iron (ZVI) injection, and on-going groundwater monitoring.

2017-2018

Turner: Addl Subsurface and IAW Sampling-17352 Derian Ave

Turner Royalty LLC, United States

Ramboll Environ conducted additional subsurface investigation, including groundwater and soil vapor sampling, and indoor air sampling at the property located at 17352 Derian Avenue, Irvine, California. Information and data obtained during the described investigations will be incorporated into a report for submittal to a regulatory agency, likely the Santa Ana Regional Water Quality Control Board (RWQCB).

2017-2018

CA & NV Phase II ESAs-Project Coordination

Ramboll conducted Limited Phase II Environmental Site Assessments at 24 facilities located in California and Nevada. The work consisted of soil, soil vapor, groundwater, and indoor air quality sampling. The work also consisted of conducting geophysical surveys to identify underground storage tanks (USTs) and locations of former USTs. Due to the large amount (~100 anomalies) and complexity of the geophysical data, a ranking system was developed to evaluate and prioritize the geophysical anomalies. Follow up excavations were conducted at geophysical anomaly locations.

2018

Groundwater Sampling

This project consisted of conducting groundwater sampling from over 50 monitoring wells and preparing an annual report. In addition, a remedial pilot study proposal was prepared for work anticipated to start in 2019.

2013-2014

Monitoring Well Installation

United States, United States

Directed the installation of monitoring wells using using hollow-stem auger and air-rotary drilling methods in alluvium and fractured bedrock. Field work included aquifer classification using field conditions to develop well construction details. Aquifers encountered at the site included unconfined, confined, fractures and slow recharge.

2013

Excavation

Supervised the field work for a large scale excavation and enhanced groundwater bioremediation project. Once the excavation reached total depth, bioremediation-enhancing products, LACTOIL and ACCELERITE were added to the floor of the excavation to enhance the bioremediation of chlorinated solvents. During backfilling, vent pipes were installed as a sub-slab mitigation system.

PUBLICATIONS

2012

Measurement of Percolation from an Artificial Recharge Basin using Fiber Optic Distributed Sensing.

Groundwater

Authors: Mathew W. Becker, Brian Bauer, Adam Hutchinson

STEPHANIE T ECKELMAN

Senior Consultant 1

KEY COMPETENCIES

Stephanie Eckelman has been an environmental consultant since 2000. Stephanie has conducted numerous ASTM Phase I Environmental Site Assessments of commercial, industrial and residential properties. She has assisted with multiple soil, groundwater, and soil vapor investigations for subsurface investigations and groundwater monitoring programs. Stephanie has conducted multiple waste audits for clients and has helped prepare waste audit documentation forms.

PROJECTS

Phase I Environmental Site Assessment

Black Equities Warner Ctr Phase I, Woodland Hills, California, United States, Black Equities Group Ltd., 2018-2019

Ramboll conducted a Phase I ESA for the northwestern portion of a property (former Northrop Grumman facility "Parcel A") located at 5500 Canoga Ave and 21240 Burbank Blvd, Woodland Hills, CA, referred to by the client, Black Equities Group, as the Warner Center Project.

Site environmental auditor

Conduct the site visit, interview on-site personnel, contact agencies, update staff on site status and prepare closing report.

Manufacturing Facility Potential Relocation, Bakersfield, California, United States, 2008

Water supply availability research and compilation

Research and report preparation

Researched and prepared report detailing various Urban Water Management Plans in the Central Basin for client to make informed decision on future land use purchase.

Multiple Phase I ESA projects, California, United States, 2005-2020

Prepared ASTM Phase I reports, including site visits, agency records reviews, and aerial photograph reviews on numerous properties including manufacturing, commercial retail properties, defense-related facilities;

Consultant

conducted multiple Phase I ESA site audits, client communication, subcontractor communication, report preparation and staff scheduling as needed.

Phase I Environmental Site Assessments, California, United States, 2005-2020

Ramboll conducted Phase I Environmental Site Assessments on multiple private, public and municipal properties.

SPECIAL COMPETENCIES

Due Diligence Phase I ESA
Waste Audits
gINT boring log template creation

TOTAL YEARS OF EXPERIENCE

17

EDUCATION

1998 BS, Environmental Studies

COURSES/CERTIFICATIONS

2020 OSHA 40-hour Hazardous Waste Operations and Emergency Response Standard - HAZWOPER

Consultant
Conduct site visits, prepare written reports, interact with clients and agencies, contract with subcontractors and update additional staff if the project required additional Ramboll services.

Site Solutions

Investec: 2019 DryCleaner Comp Rev, Santa Barbara, Camarillo, Chula Vista, California, United States, Investec Real Estate, 2019
Ramboll conducted reviews of three drycleaners located at the Central Plaza Shopping Center, 708 Arneill Road, Camarillo, California; the Mesa Shopping Center, 1998 Cliff Drive at Meigs Road, Santa Barbara, California; and the Plaza at Sunbow, 601 East Palomar Street Chula Vista, California.
Site personnel
Conduct site inspection, conduct personnel interviews, prepare report and share findings with client.

Underground Storage Tank Removal Oversight, Alhambra, California, United States, 2018-2019
Multiple abandoned UST's located and removed from the site.
Field Supervisor
Tasks included scheduling subcontractors, overseeing UST removals, collection of confirmation sampling, agency oversight communication, and report preparation.

KS: Home Depot - LBP - California, California, United States, The Home Depot, 2017-2019
Ramboll Environ assisted in connection with an investigation involving Home Depot’s renovation projects in homes that may have contained lead based paint.
Site auditor
Conducted lead based paint sampling oversight, coordinate subcontractors and residents, prepare written documentation.

Former Oil Field Pre- and Post- Stormwater Site Inspection, Santa Clarita, California, United States, 2007-2008
Conducted Storm Water Pollution Prevention Plan monitoring including pre- and post-storm surface inspection on a form large oil field
Inspector
Conduct pre- and post-storm water site investigation for damaged BMP's on a large vacant former oil field.

Lage Redevelopment Project, Santa Clarita, California, United States, 2006-2011
Conducted soil sampling, surface water runoff sampling, groundwater sampling, soil vapor sampling and groundwater pump tests at a 1000-acre property;
Site staff
Collect soil samples, storm water samples, groundwater sampling and soil vapor samples.

Pool Product Manufacturer, California, United States, 2002-2009
Prepared and submitted Wastewater Treatment Surcharge Statements and tracked Wastewater Treatment Surcharge Quartely Reports for a facility in South Los Angeles;
Site staff
Prepared wastewater treatment surcharge statements, updated staff and client on changes and maintained submission requirements.

Entertainment Industry, Glendale, California, United States, 2001
Managed well decommissioning, including permitting, for deep wells for various municipalities;
Onsite personnel
Managed well decommissioning, including permitting, for deep well located in Glendale.

Generate various boring log templates.

Baker: SSF Add. Site Investigation, Not specified, California, United States, Baker Properties, Inc., 2017-2018
Ramboll Environ conducted a soil, soil vapor, groundwater, and indoor air investigation at 160-180 Sylvester Road, South San Francisco, CA.
Boring log
Prepare MIP boring logs for the site.

Boring Log template generation, California, United States, Multiple client projects., 2015-2020
Prepared multiple subsurface boring log templates for multi-office use with gINT boring log software.
Boring Log Generator
Created and implemented new boring log templates and reports for numerous large scale projects.

Large Shipping Company: 2019 California Waste Audit, California, United States, Amazon.com Services Inc., 2019-2020
Ramboll performed an evaluation of the contents of municipal solid waste containers at three locations in California.
Waste Auditor
Conducted waste audit of compacted 40 cubic yard bin with agency oversight.

Telecommunication: CA CJ Audits, Not specified, California, United States, 2015-2020
Ramboll Environ conducted hazardous waste audits and trash sorts at multiple California locations of a telecommunications company in order to fulfill the requirements of a Consent Judgment against the company.
Auditor
Conducted multiple waste audits through multiple years at facilities throughout Southern and Central California.

NE Corner Victoria St/Central, Carson RAP, Corner of South Central Avenue and Victoria Street, Carson, CA, United States, The Carson Project Owner, LLC, 2017-2018
Ramboll prepared a Human Health Risk Assessment, conducted a statistical evaluation on distribution of chemicals, prepared a Remedial Action Plan and provided project management, attended meetings, and provided estimated costs for site remediation

Appendix C

Human Health Risk Evaluation

RAMBOLL

ENVIRONMENT
& HEALTH

Artesia & Flallon, LLC and Borstein Enterprises

Human Health Risk Evaluation for 11709 Artesia Boulevard, 17208 and 17212 Alburtis Avenue, Artesia, California

Date June 14, 2022

Ramboll US Consulting, Inc. ("Ramboll") conducted a screening human health risk assessment (HHRA) for the properties located at 11709 Artesia Boulevard and 17208 and 17212 Alburtis Avenue in Artesia, Los Angeles County, California (the "site" or "Property"). The objective of the screening HHRA was to assess the potential health risks to future on-site commercial/industrial workers and residents based on residual concentrations of chemicals in soil, soil gas and groundwater.

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The following sections include a discussion of site background, investigation results, a screening health risk assessment (HRA) and conclusions.

Click or tap here to enter text.

Background

California Dairies Inc. owns and formerly operated a dairy product processing facility and associated parking lot located at 11709 Artesia Boulevard and 17208 and 17212 Alburtis Avenue in Artesia, Los Angeles County, California. The approximately 3.33-acre processing facility and 0.248-acre parking lot parcels that comprise the site are located approximately 20 miles southeast of the City of Los Angeles (Figure 1). The main portion of the site is improved as the former California Dairies Inc. manufacturing facility. Structures at the site include approximately five (5) buildings totaling over 50,000-square-feet.

The site is currently vacant. Future development plans include commercial, live/work and townhomes. Future onsite populations would include commercial/industrial workers and residents.

Investigation Results

A Phase II Environmental Site Assessment (ESA) was conducted by GHD Services Inc. (GHD) in 2020 for the property at 11709 East Artesia Boulevard, Artesia, California (GHD 2020). This was followed by a Phase I Environmental Site Assessment and additional Phase II Subsurface Investigation that were conducted by Ramboll in 2021 for 11709 Artesia Boulevard, 17208 and 17212 Alburtis Avenue, Artesia, California (Ramboll 2021). These investigations are discussed below.

GHS Phase II ESA
During the GHD Phase II ESA, six soil borings were advanced to 25 feet below ground surface (bgs).

Soil samples were collected on July 30/31, 2020, and analyzed for the following constituents:

- Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270C
- Organochlorine Pesticides by USEPA Method 8081A
- Polychlorinated Biphenyls (PCBs) by USEPA Method 8082
- Herbicides by USEPA Method 8151A
- CAM 17 metals by USEPA Method 6010B; mercury by USEPA Method 7471A
- Total Petroleum Hydrocarbons (TPH) by USEPA Method 8015 reported as Gasoline Range and Organics (GRO) (C4-C12), Diesel Range Organics (DRO) (C10-C28), and TPH as Motor Oil (C17-C44).

The TPH analysis was only performed on the deepest soil samples collected from Borings B1 and B3. Pesticide, PCB, and herbicide analysis was not performed on the deepest soil sample collected from each of the six borings, because such constituents are unlikely to be present at depth.

Attachment A, Figure A-1, shows the six boring locations. Soil sample results are presented in the Attachment A tables (Tables A-1 through A-3). The results of the GHD soil sampling indicated that limited and *de minimis* concentrations of pesticides and VOCs are present in soil. Table 1 of this letter report summarizes the detected pesticides and VOCs in soil. Table 2 of this letter report summarizes the maximum detected concentration of metals in soil.

Groundwater was first encountered in each of the six soil borings at depths ranging from 11 to 17 ft. Temporary wells were installed and grab groundwater samples were collected on July 30/31, 2020, and analyzed for the following constituents:

- Ammonia by USEPA Method 350.1
- Nitrates and Nitrites by USEPA Method 300.0
- CAM 17 Metals by USEPA Method 6010B, except mercury by USEPA Method 7470A
- TPH, VOCs, and SVOCs by the same methods employed for soil sample analysis and listed above.

Groundwater sampling results are presented in the Attachment A tables (Tables A-4 and A-5). No VOCs were detected in groundwater (*i.e.*, the results were "non-detect"). Metals detected in groundwater

were compared by GHD to maximum contaminant levels (MCLs) for drinking water. The results showed that only mercury slightly exceeded its MCL at a maximum detected concentration of 3.31 micrograms per liter (µg/L) compared to its MCL of 2 µg/L. This concentration appears to be anomalous and not indicative of any site-wide mercury concern.

Ramboll Phase II Subsurface Investigation

Based on the results from the previous Phase II subsurface investigation, Ramboll conducted a subsequent subsurface investigation at the site that included the collection of soil and soil gas samples. On November 2, 2021, Ramboll collected soil samples from three borings (B1 through B3). Soil samples were collected at approximately 2, 4, and 6 feet bgs at each of the boring locations. Soil samples were analyzed for total TPH. Soil vapor probes were installed at 9 locations on December 1, 2021, and analyzed for VOCs by USEPA Method 8260.

Soil and soil gas sample locations are shown on Figure 2. Table 3 of this letter report summarizes the detected in chemicals in soil and Table 4 summarizes the detected chemicals in soil gas.

The results of the Ramboll sampling indicated limited VOCs were detected in soil gas at low concentrations. TPH was detected in all soil borings.

Screening Human Health Risk Assessment

Based on the proposed land use, Ramboll developed a conceptual site model (CSM; see Figure 3). The CSM describes the potentially exposed populations and potentially complete exposure pathways identified for the site. As noted previously, the potential onsite receptors would include commercial/industrial workers and residents.

Potential exposure pathways and routes for commercial/industrial workers and residents are as follows:

- Direct contact with soil (soil ingestion, dermal contact, inhalation of windblown particulates); and
- Inhalation of vapors (migration of soil gas from the subsurface into indoor air).

Only inhalation of VOCs in indoor air was quantitatively evaluated since outdoor concentrations of VOCs will be lower than indoor air concentrations due to higher mixing in the ambient environment.

It is Ramboll's understanding that groundwater will not be used as a drinking water source, and that the drinking water will be municipally-supplied, and that groundwater will not be directly contacted due to the depth of the water table. Since no VOCs were detected in groundwater, there is no complete exposure pathway for migration to air.

All detected soil concentrations were screened using commercial/industrial and residential California Environmental Protection Agency (Cal/EPA) Department of Toxic Substance Control (DTSC)-modified screening levels (SLs) from Cal/EPA DTSC's Human and Ecological Risk Office (HERO) Note 3 (Cal/EPA 2022). If no SLs were available, the commercial/industrial and residential soil RSLs from USEPA (USEPA 2022) were used. According to Cal/EPA (2015), TPH soil data were compared to Environmental Screening Levels (ESLs) developed by California Regional Water Quality Control Board - San Francisco

Bay Region (RWQCB-SF 2016). The soil SLs assume exposure though direct contact with soil (soil ingestion, dermal contact, inhalation of windblown particulates).

Arsenic occurs naturally in soil. An evaluation of arsenic soil data from school sites in Southern California found arsenic concentrations ranging from 0.15 mg/kg to 20 mg/kg, with an upper-bound background arsenic concentration of 12 mg/kg (Chernoff et al, 2008). Arsenic concentrations in soil samples collected at the site were conservatively screened against 12 mg/kg.

The soil gas screening analysis used the default air screening level for each detected VOC from Cal/EPA DTSC HERO Note 3 (Cal/EPA 2022) and USEPA RSL Table (USEPA 2022). These default screening levels were used in combination with a default future commercial buildings attenuation factor (AF) of 0.0005 and a default future residential attenuation factor of 0.001 (for migration from the contamination source to indoor air), as recommended in the 2011 Cal/EPA Vapor Intrusion Guidance (Cal/EPA 2011, Cal/EPA HERO Note 4, 2022).

The health-based screening levels represents the concentration of a chemical that is protective of human health. As a conservative measure, the screening levels were calculated to correspond to a target cancer risk of one in a million (1×10^{-6}) and a target non-cancer hazard quotient (HQ) of one. The National Contingency Plan (NCP) (40 Code of Federal Regulations [CFR] § 300) is commonly cited as the basis for target risk and hazard levels. According to the NCP, lifetime incremental cancer risks posed by a site should not exceed 1×10^{-6} to one hundred in a million (1×10^{-4}), and noncarcinogenic chemicals should not be present at levels expected to cause adverse health effects (i.e., HQ greater than one). As a risk management policy, the Cal/EPA generally considers 1×10^{-6} to be a point of departure for purposes of making risk management decisions, with most approved remediation achieving incremental risk levels of ten in a million (1×10^{-5}) or lower. Since the screening levels correspond to the low end of the target risk range considered by USEPA and Cal/EPA to be protective of human health, the presence of a chemical at a concentration in excess of the screening level does not indicate that adverse impacts to human health are occurring or will occur but suggests that further evaluation may be warranted.

The screening levels used in this evaluation are included in Tables 1 through 4.

Risk Results

As shown in Table 1, the detected concentrations of pesticides and VOCs in soil are below their corresponding health-based soil screening levels. As shown in Table 2, the maximum detected concentration for all metals in soil are below their corresponding health-based soil screening levels. As shown in Table 3, TPH was below screening levels. All chemicals detected in soil are well below their screening levels and cumulatively would not exceed an excess lifetime cancer risk above 1×10^{-6} or a hazard index above one.

As shown in Table 4, all VOCs detected in soil gas were below their corresponding health-based soil gas screening level except for chloroform in RSV-10 with a concentration of 0.27 µg/L which slightly exceeded its residential screening level of 0.12 µg/L. A concentration of 0.12 µg/L corresponds to an estimated excess lifetime cancer risk of 1×10^{-6}; a concentration of 0.23 µg/L corresponds to an estimated excess lifetime cancer risk of 2×10^{-6}, well within the lower (more conservative) end of the NCP risk range.

Conclusions

All chemicals detected in soil are well below their screening levels and cumulatively would not exceed an excess lifetime cancer risk above 1 x 10^{-6} or a hazard index above one. Based on the results of this HHRA analysis of the data collected to date, no significant health risks associated with exposures to soils at the site are expected to occur for the potential future on-site residents and commercial workers. Furthermore, potential vapor intrusion concerns are considered adequately addressed, and vapor mitigation systems (VMS) are not required or warranted for potential future on-site populations.

Yours sincerely

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Principal

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Table 1. Summary of Soil Sampling Results for VOCs, SVOCs, Pesticides, PCBs and Herbicides (GHD 2020)
Table 2. Summary of Soil Sampling Results for the Maximum Detected Concentration of Metals (GHD 2020)
Table 3. Summary of Soil Sampling Results for TPH
Table 4. Summary of Soil Gas Results for VOCs (Ramboll 2021)

Figure 1: Site Location
Figure 2: Soil Vapor and Soil Sampling Locations (Ramboll 2021)
Figure 3: Conceptual Site Model

Attachment A: Location and results of Phase II ESA soil borings and groundwater temporary wells from GSD (2020).

References

GHD. 2020. Phase II Environmental Site Assessment, California Dairies, Inc., 11709 East Artesia Boulevard, Artesia, California. August 21.

Ramboll. 2021. Phase I Environmental Site Assessment and Phase II Subsurface Investigation, 11709 Artesia Boulevard, 17208 and 17212 Alburtis Avenue, Artesia, California. December 20.

Cal/EPA. 2011. Department of Toxic Substances Control. Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). October.

Cal/EPA. 2022. Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs). May.

Cal/EPA. 2022. Human Health Risk Assessment (HHRA) Note Number 4, Guidance for Screening Level Human Health Risk Assessments. March.

Chernoff G., Bosan W., Oudiz D. 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil.

Code of Federal Regulations (CFR). Title 40, Environmental Protection Agency. Part 300, National Oil and Hazardous Substances Pollution Contingency Plan. (40 CFR § 300).

USEPA. 2022. Regional Screening Levels (RSLs). May.

Table 1. Summary of Soil Sampling Results for VOCs, SVOCs, Pesticides, PCBs and Herbicides (GHD 2020)
11709 East Artesia Boulevard
Artesia, California

Location	Depth (feet bgs)	Date Sampled	(µg/kg)						
			4,4'DDE	Alpha-Chlordane	Dieldren	Acetone	Benzene	Isopropyl Benzene	Toluene
DTSC Commercial			NE	NE	93	NE	1,400	NE	5,300,000
USEPA Commercial			9,300	500,000	140	1,100,000,000	5,100	NE	47,000,000
DTSC Residential			NE	NE	34	NE	330	NE	1,100,000
USEPA Residential			2,000	36,000	34	70,000,000	1,200	NE	4,900,000
Soil Commercial Screening Level			**9,300**	**500,000**	**93**	**1,100,000,000**	**1,400**	**NE**	**5,300,000**
Soil Residential Screening Level			**2,000**	**36,000**	**34**	**70,000,000**	**330**	**NE**	**1,100,000**
B1	0.5	7/30/2020	<5.0	**5.1**	**1.3**	**52**	<0.93	<0.93	<0.93
	2	7/30/2020	<5.0	<1.0	<1.1	**81**	**5.8**	<1.1	**2.9**
	20	7/30/2020	NA	NA	NA	<38	**1.3**	<0.75	**1.1**
B2	0.5	7/30/2020	<5.0	<1.0	<1.1	**49**	**1.3**	<0.86	<0.86
	2	7/30/2020	**12**	<0.99	<0.99	**61**	**3.2**	<1.0	**1.7**
	15	7/30/2020	NA	NA	NA	<39	<0.78	<0.78	<0.78
B3	0.5	7/30/2020	<5.0	**1.2**	**1.3**	<45	<0.89	<0.89	<0.89
	2	7/30/2020	<5.0	<0.99	<0.99	<46	**3.8**	<0.91	**1.4**
	18	7/30/2020	NA	NA	NA	<40	**0.98**	<0.81	<0.81
B4	0.5	7/31/2020	<5.0	**1.2**	<1.0	<61	<1.2	<1.2	<1.2
	2	7/31/2020	<5.0	**2.4**	<1.0	<53	**1.4**	<1.1	<1.1
	15	7/31/2020	NA	NA	NA	<44	<0.87	<0.87	<0.87
B5	1	7/31/2020	<5.0	<1.0	<1.0	**42**	**1.6**	**1.1**	**2.0**
	2	7/31/2020	<5.0	<1.0	<1.0	<45	**2.5**	<0.90	**1.8**
	18	7/31/2020	NA	NA	NA	<37	**3.0**	<0.75	**2.2**
B6	0.5	7/31/2020	<5.0	<1.0	<1.0	<51	<1.0	<1.0	<1.0
	2	7/31/2020	<5.0	<0.99	<0.99	**71**	**3.4**	<0.85	**1.9**
	18	7/31/2020	NA	NA	NA	<39	**3.5**	<0.77	**2.0**

Notes:
bgs = below ground surface
µg/kg = micrograms per kilogram
NA = Sample not analyzed for this compound
Cal/EPA = California Environmental Protection Agency
USEPA = United States Environmental Protection Agency
Only compounds reported above the detection limit are shown.

References:
Cal/EPA. 2022. Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). May.
USEPA. 2022. Regional Screening Levels Summary Table. May.

Table 2. Summary of Soil Sampling Results for the Maximum Detected Concentration of Metals (GHD 2020)
11709 East Artesia Boulevard
Artesia, California

	(mg/kg)												
Maximum Concentration Detected	**Arsenic**	**Barium**	**Berrylium**	**Chromium**	**Cobalt**	**Copper**	**Lead**	**Mercury**	**Molybdenum**	**Nickel**	**Silver**	**Vanadium**	**Zinc**
DTSC Commercial	0.36	NE	230	NE	NE	NE	500	4.4	NE	11,000	NE	NE	NE
USEPA Commercial	3	220,000	2,300	1,800,000	350	47,000	800	46	5,800	22,000	5,800	5,800	350,000
DTSC Residential	0.11	NE	16	NE	NE	NE	80	1	NE	820	NE	NE	NE
USEPA Residential	0.68	15,000	160	120,000	23	3,100	400	11	390	1,500	390	390	23,000
Background	12a												
Soil Commercial Screening Level	**12**	**220,000**	**230**	**1,800,000**	**350**	**47,000**	**500**	**4.4**	**5,800**	**11,000**	**5,800**	**5,800**	**350,000**
Soil Residential Screening Level	**12**	**15,000**	**16**	**120,000**	**23**	**3,100**	**80**	**1**	**390**	**820**	**390**	**390**	**23,000**
	8.64	197	0.86	24.3	12.4	39.6	57.8	0.165	0.758	19.2	0.508	47.7	66.3

Notes:
bgs = below ground surface
mg/kg = millograms per kilogram
Cal/EPA = California Environmental Protection Agency
USEPA = United States Environmental Protection Agency
Only compounds reported above the laboratory reporting limit are shown.

[a] Arsenic occurs naturally in soil. An evaluation of arsenic soil data from school sites in Southern California found arsenic concentrations ranging from 0.15 mg/kg to 20 mg/kg, with an upper-bound background arsenic concentration of 12 mg/kg (Chernoff G., Bosan W., Oudiz D. 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil). Arsenic concentrations in soil samples collected at the site were conservatively screened against 12 mg/kg.

References:

Cal/EPA. 2022. Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). May.

USEPA. 2022. Regional Screening Levels Summary Table. May.

Table 3. Summary of Soil Sampling Results for TPH (Ramboll 2021)
11709 East Artesia Boulevard
Artesia, California

Location	Depth (feet bgs)	Date Sampled	TPH (mg/kg)		
			TPH - GRO	TPH - DRO	TPH - ORO
SFRWQCB Commercial			2,000	1,200	180,000
SFRWQCB Residential			430	260	12,000
Soil Commercial Screening Level			**2,000**	**1,200**	**180,000**
Soil Residential Screening Level			**430**	**260**	**12,000**
B1	2	11/2/2021	**0.28**	<5.0	**21**
	4	11/2/2021	<0.10	<5.1	**6.4**
	6	11/2/2021	**1.6**	**5.8**	**23**
B2	2	11/2/2021	**0.51**	**5.2**	**100**
	4	11/2/2021	**1.9**	**16**	**32**
	6	11/2/2021	**1.1**	**5.3**	**28**
B3	2	11/2/2021	**0.13**	<5.1	<5.1
	4	11/2/2021	**0.23**	<4.9	**4.9**
	6	11/2/2021	**0.76**	<4.8	<4.8

Notes:
bgs = below ground surface
DRO = diesel range organics
GRO = gasoline range organics
mg/kg = milligrams per kilogram
ORO = oil range organics
SFRWQCB = San Francisco Bay Regional Water Quality Control Board
TPH = total petroleum hydrocarbons
Soil samples were analyzed for TPH by USEPA Method 8015M.

References:
SFRWQCB. 2019. Environmental Screening Levels. Rev. 2.

Table 4. Summary of Soil Vapor Results for VOCs (Ramboll 2021)
11709 East Artesia Boulevard
Artesia, California

Sample ID	Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Benzene	Ethylbenzene	Toluene	m,p-Xylene	o-Xylene	1,2,4-Trimethylbenzene	Chloroform
Commerical Soil Vapor Screening Level (Attenuation Factor 0.0005)			**4**	**0.84**	**9.8**	**2,600**	**880**	**880**	**520**	**1.06**
Residential Soil Vapor Screening Level (Attenuation Factor 0.001)			**0.46**	**0.097**	**1.1**	**310**	**100**	**100**	**63**	**0.12**
RSV-1	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-2	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-3	5	12/3/2021	**0.13**	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-4	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-5	5	12/3/2021	**0.050**	**0.030**	**0.020 J**	**1.8**	**0.080**	**0.030**	**0.020 J**	<0.025
RSV-6	5	12/3/2021	--	--	--	--	--	--	--	--
RSV-7	5	12/3/2021	<0.0125	<0.025	<0.025	**0.040**	<0.0250	<0.025	<0.025	<0.025
RSV-8	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
	5	*12/3/2021*	<0.0125	*<0.025*	*<0.025*	<0.0125	*<0.0250*	*<0.025*	*<0.025*	*<0.025*
RSV-9	5	12/3/2021	<0.0125	<0.025	<0.025	<0.0125	<0.0250	<0.025	<0.025	<0.025
RSV-10	5	12/3/2021	<0.0125	<0.025	<0.025	**0.020 J**	<0.0250	<0.025	<0.025	**0.27**

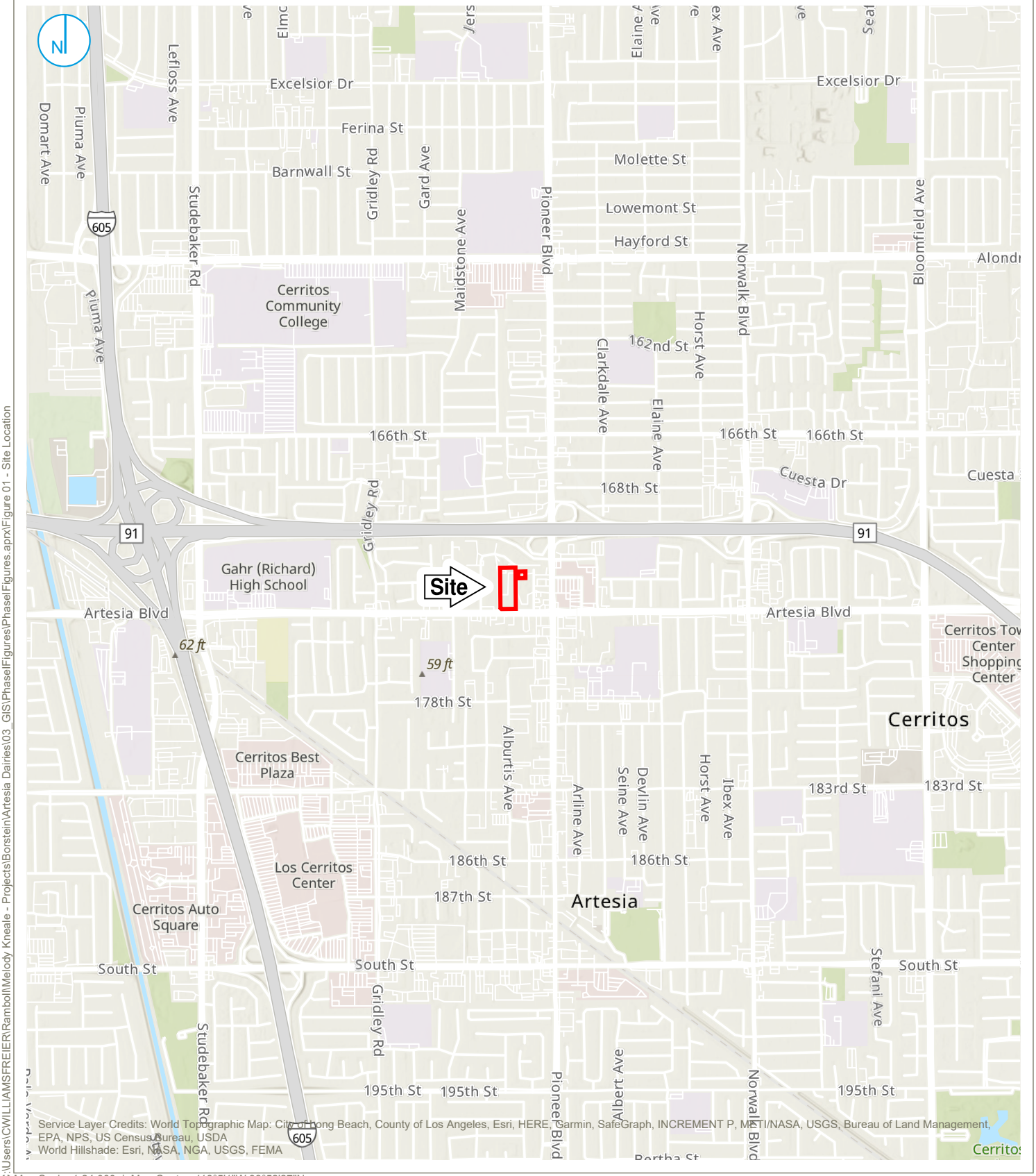
Notes:
µg/l - micrograms per liter
<X - value not reported above the laboratory reporting limit
-- - not analyzed
Duplicate sample is italicized
J - Analyte concentration detected between Reporting Limit (RL) and Method Detection Limit (MDL)
VOCs - Volatile Organic Compounds
Soil vapor samples were analyzed for VOCs by USEPA Method 8260B.
Only compounds reported above the laboratory reporting limit are shown.
Indicates compounds exceed soil gas residential scenario screening level using a 0.001 AF.

References:

Cal/EPA. 2022. Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). May.

Cal/EPA. 2022. Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 4, Issue: Guidance for Screening Level Human Health Risk Assessments. May.

USEPA. 2022. Regional Screening Levels Summary Table. May.



C:\Users\CWILLIAMSFREIER\Ramboll\Melody Kneale - Projects\Borstein\Artesia Dairies\03_GIS\PhaseIFigures\PhaseIFigures.aprx\Figure 01 - Site Location

Map Scale: 1:24,000 | Map Center: 118°5'1"W 33°52'27"N

KEY MAP (not to scale)

Property Boundary

0 1,000 2,000 Feet

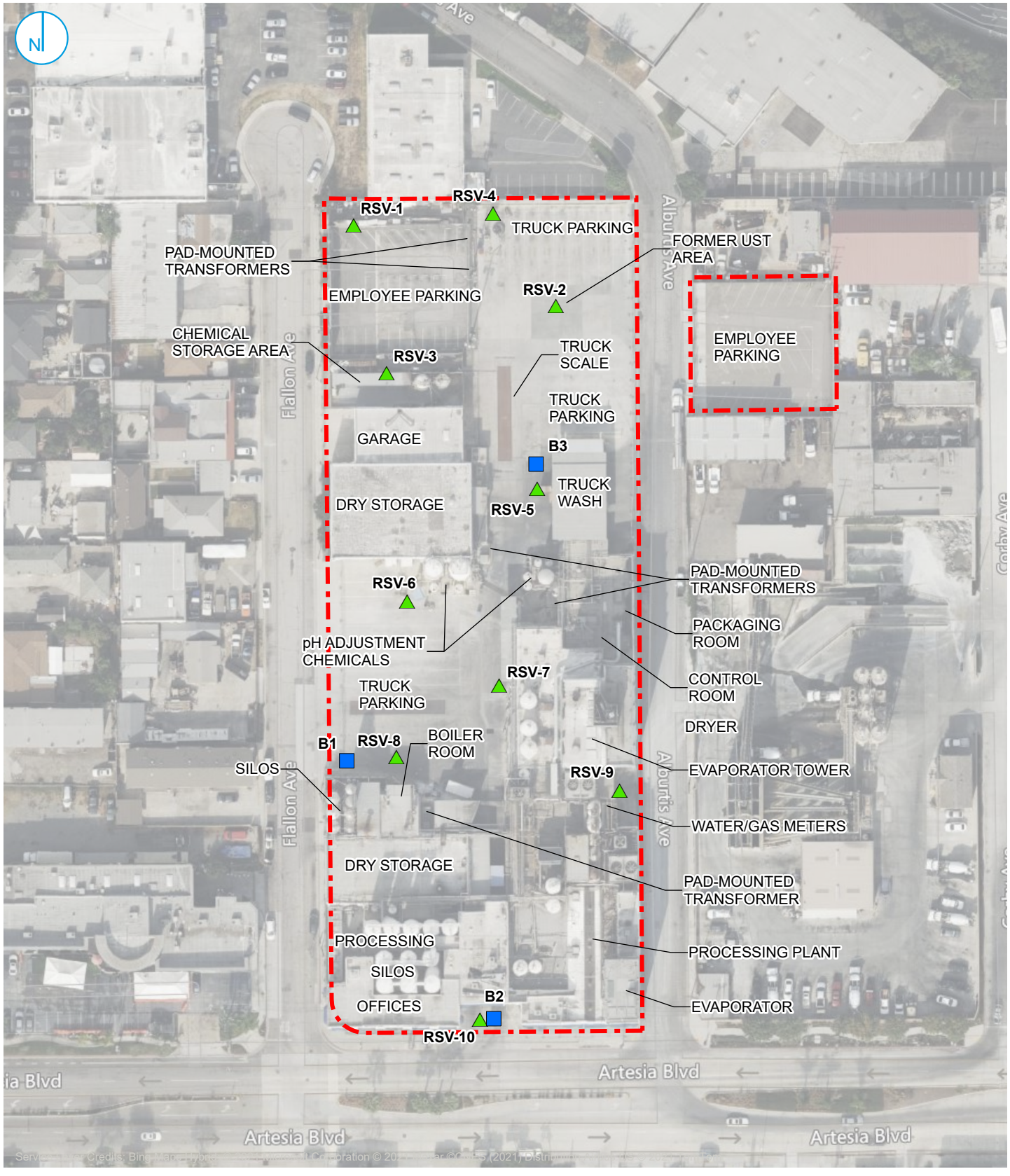
SITE LOCATION

Artesia Dairies
11709 East Artesia Boulevard
Artesia, California

FIGURE 1

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



C:\Users\CWILLIAMSFREIER\Ramboll\Melody Kneale - Projects\BorsteinArtesia Dairies\03_GIS\20211102_Figures\20211102_FigureCreation.aprx\Figure 03 - Soil Vapor and Soil Sampling Locations

Property Boundary

Soil Vapor Probe Locations (Ramboll, December 2021)

Soil Sample Location (Ramboll, November 2021)

0 50 100 Feet

SOIL VAPOR AND SOIL SAMPLING LOCATIONS

Artesia Dairies
11709 East Artesia Boulevard
Artesia, California

FIGURE 2

RAMBOLL US CONSULTING, INC.
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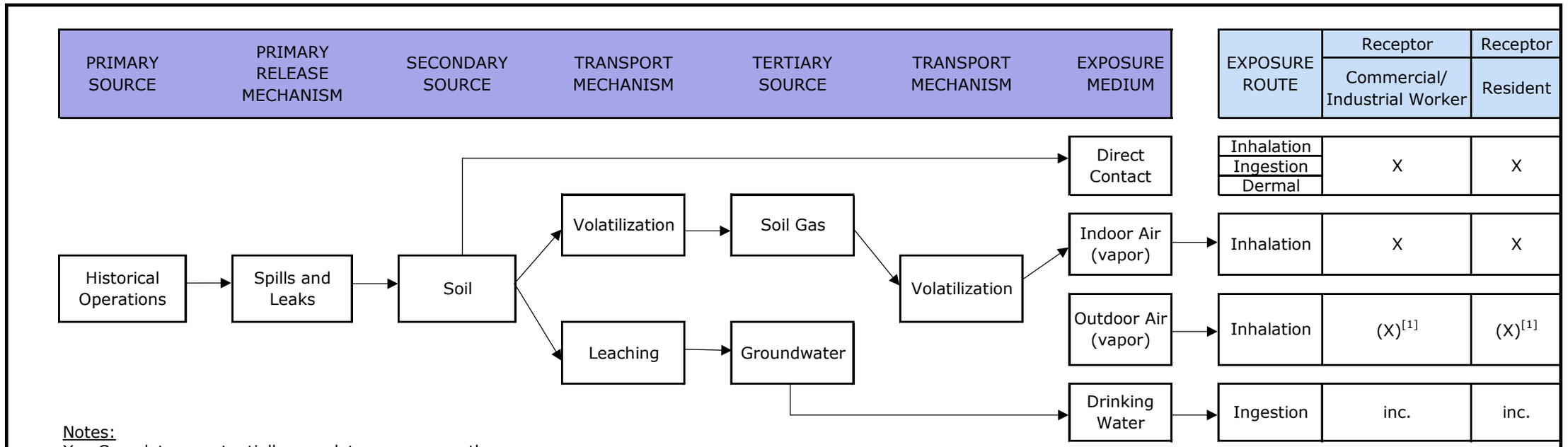


Notes:
X = Complete or potentially complete exposure pathway
(X) = Complete or potentially complete exposure pathway, but not evaluated quantitatively
inc = Incomplete

[1] The exposure to volatile compounds in outdoor air is not quantitatively evaluated because it is expected to be much lower than the exposure to volatile compounds in indoor air.

RAMBOLL

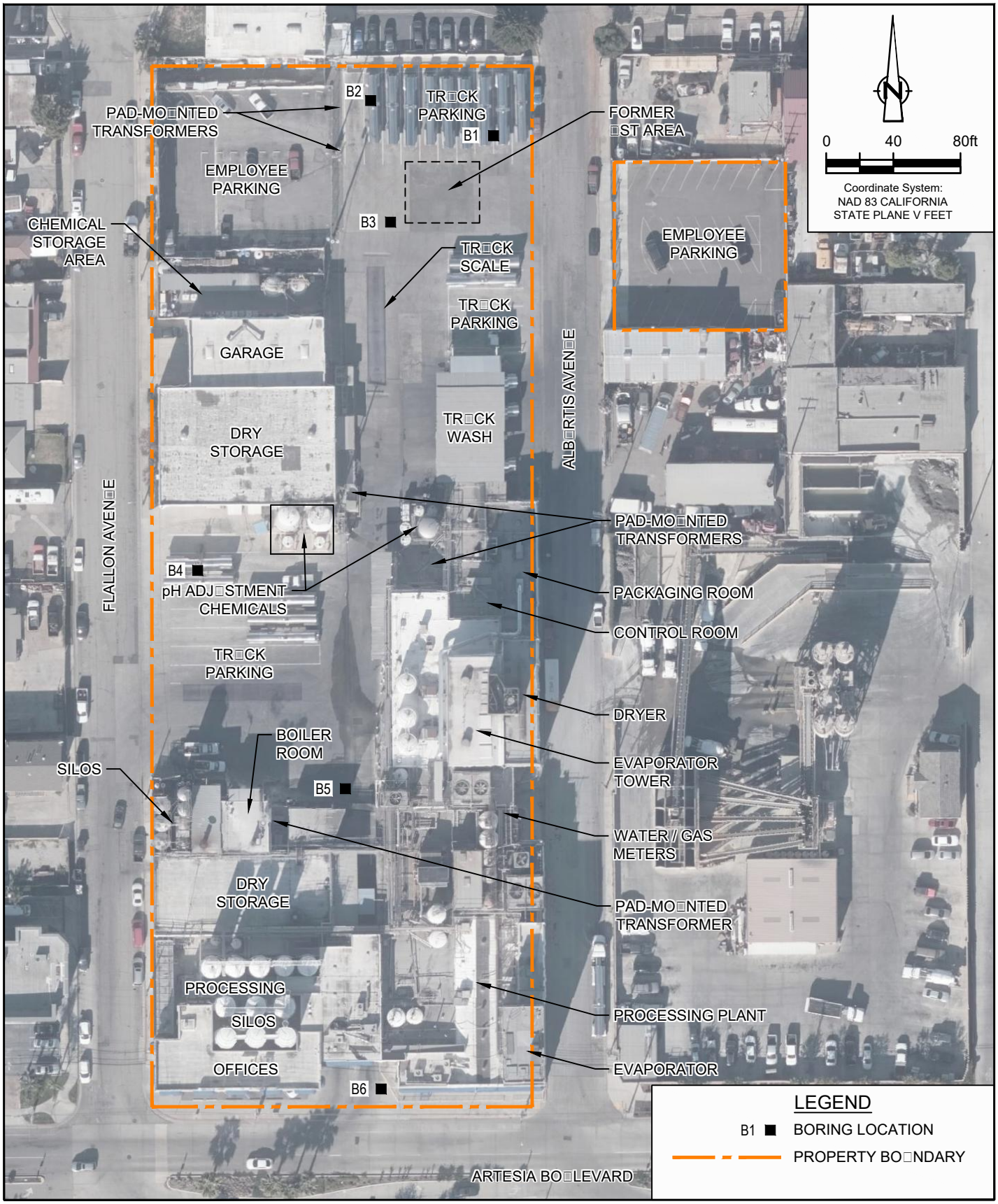
Conceptual Site Model
11709 East Artesia Boulevard
Artesia, California

Drafter: | Date: 6/10/22 | Contract Number:

Figure
3

Attachment A:

Location and results of Phase II ESA soil borings and groundwater temporary wells from GSD (2020).



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11709 EAST ARTESIA BOULEVARD, ARTESIA, CALIFORNIA
PHASE II ENVIRONMENTAL SITE ASSESSMENT
CALIFORNIA DAIRIES INC

081103-55

Aug 11, 2020

SITE PLAN AND BORING LOCATIONS

FIGURE A-1

CAD File: N:\S\Santa Rosa\Projects\Sonoma Legacy\Sonoma.Public\CAD\drawings\080000s\081103\081103-REPORTS\081103-55(021)GN\081103-55(021)GN-SO002.DWG

Table A-1

Soil Sample Analytical Results for Pesticides, Herbicides, and PCBs
Phase II ESA for California Dairies, Inc.
11709 East Artesia Boulevard, Artesia, California

Sample Location	B1	B1	B2	B2	B3	B3	B4	B4	B5	B5	B6	B6	
Sample Identification	B1-0.5	B1-2	B2-0.5	B2-2	B3-0.5	B3-2	B4-0.5	B4-2	B5-1	B5-2	B6-05	B6-2	
Sample Date	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	
Sample Depth	(0.5) ft BGS	(2) ft BGS	(0.5) ft BGS	(2) ft BGS	(0.5) ft BGS	(2) ft BGS	(0.5) ft BGS	(2) ft BGS	(1) ft BGS	(2) ft BGS	(0.5) ft BGS	(2) ft BGS	Tier 1 ESL
Herbicides by EPA Method 8151A													
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPP)	10000 □	10000 □	10000 □	10000 □	10000 □	10000 □	10000 □	9900 □	10000 □	9900 □	9800 □	9900 □	
2,4,5-T	10 □	10 □	10 □	10 □	10 □	10 □	10 □	9.9 □	10 □	9.9 □	9.8 □	9.9 □	
2,4,5-TP (Silvex)	10 □	10 □	10 □	10 □	10 □	10 □	10 □	9.9 □	10 □	9.9 □	9.8 □	9.9 □	
2,4-DB	100 □	100 □	100 □	100 □	100 □	100 □	100 □	99 □	100 □	99 □	98 □	99 □	
2,4-Dichlorophenoxyacetic acid (2,4-D)	100 □	100 □	100 □	100 □	100 □	100 □	100 □	99 □	100 □	99 □	98 □	99 □	
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	20000 □	
Dalapon	250 □	250 □	250 □	250 □	250 □	250 □	250 □	250 □	250 □	250 □	250 □	250 □	
Dicamba	10 □	10 □	10 □	10 □	10 □	10 □	10 □	9.9 □	10 □	9.9 □	9.8 □	9.9 □	
Dichlorprop	100 □	100 □	100 □	100 □	100 □	100 □	100 □	99 □	100 □	99 □	98 □	99 □	
Dinoseb	100 □	100 □	100 □	100 □	100 □	100 □	100 □	99 □	100 □	99 □	98 □	99 □	
PCBs by EPA Method 8082													
Aroclor-1016 (PCB-1016)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1221 (PCB-1221)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1232 (PCB-1232)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1242 (PCB-1242)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1248 (PCB-1248)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1254 (PCB-1254)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1260 (PCB-1260)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1262 (PCB-1262)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Aroclor-1268 (PCB-1268)	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	50 □	
Organochlorine Pesticides by EPA Method 8081A													
4,4=DDD	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
4,4=DDE	5.0 □	5.0 □	5.0 □	**12**	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	--
4,4=DDT	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Aldrin	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
alpha-BHC	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
alpha-Chlordane	**5.1**	1.0 □	1.0 □	0.99 □	**1.2**	0.99 □	**1.2**	**2.4**	1.0 □	1.0 □	1.0 □	0.99 □	--
beta-BHC	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Chlordane	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	
delta-BHC	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Dieldrin	**1.3**	1.0 □	1.0 □	0.99 □	**1.3**	0.99 □	1.0 □	1.0 □	1.0 □	1.0 □	1.0 □	0.99 □	0.46
Endosulfan I	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Endosulfan II	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Endosulfan sulfate	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Endrin	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Endrin aldehyde	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Endrin ketone	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
gamma-BHC (lindane)	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
gamma-Chlordane	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Heptachlor	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Heptachlor epoxide	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Methoxychlor	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	5.0 □	
Toxaphene	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	25 □	

Notes:

□ - Not detected at the associated reporting limit.
Values are reported in micrograms per kilogram.
ft BGS - feet below ground surface
PCBs - Polychlorinated Biphenyls
EPA - Environmental Protection Agency
Tier 1 ESL - San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Level
Detections are **bolded.**

TableA- A-2

Soil Sample Analytical Results for TPH, SVOCs, and VOCs
Phase II ESA for California Dairies, Inc.
11709 East Artesia Boulevard, Artesia, California

Sample Location	B1	B1	B1	B2	B2	B2	B3	B3	B3	B4	B4	B4	B5	B5	B5	B6	B6	B6	
Sample Identification	B1-0.5	B1-2	B1-20	B2-0.5	B2-2	B2-15	B3-0.5	B3-2	B3-18	B4-0.5	B4-2	B4-15	B5-1	B5-2	B5-18	B6-05	B6-2	B6-18	
Sample Date	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	
Sample Depth	(0.5) ft BGS	(2) ft BGS	(20) ft BGS	(0.5) ft BGS	(2) ft BGS	(15) ft BGS	(0.5) ft BGS	(2) ft BGS	(18) ft BGS	(0.5) ft BGS	(2) ft BGS	(15) ft BGS	(1) ft BGS	(2) ft BGS	(18) ft BGS	(0.5) ft BGS	(2) ft BGS	(18) ft BGS	Tier 1 ESL
Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B																			
Petroleum Hydrocarbons as Gasoline	--	--	100 □	--	--	100 □	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C10-C28) DRO	--	--	5300 □	--	--	4800 □	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C17-C44) Motor Oil	--	--	26000 □	--	--	24000 □	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C																			
1,2,4-Trichlorobenzene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
1,2-Dichlorobenzene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
1,3-Dichlorobenzene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
1,4-Dichlorobenzene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
1-Methylnaphthalene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,2□Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,4,5-Trichlorophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,4,6-Trichlorophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,4-Dichlorophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,4-Dimethylphenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,4-Dinitrophenol	10000 □	2000 □	2000 □	2000 □	2000 □	2000 □	20000 □	2000 □	2000 □	4000 □	2000 □	2000 □	2000 □	2000 □	2000 □	2000 □	2000 □	2000 □	
2,4-Dinitrotoluene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,6-Dichlorophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2,6-Dinitrotoluene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2-Chloronaphthalene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2-Chlorophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2-Methylnaphthalene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2-Methylphenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2-Nitroaniline	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
2-Nitrophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
3&4-Methylphenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
3,3□Dichlorobenzidine	13000 □	2500 □	2500 □	2500 □	2500 □	2500 □	25000 □	2500 □	2500 □	5000 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	
3-Nitroaniline	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
4,6-Dinitro-2-methylphenol	13000 □	2500 □	2500 □	2500 □	2500 □	2500 □	25000 □	2500 □	2500 □	5000 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	
4-Bromophenyl phenyl ether	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
4-Chloro-3-methylphenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
4-Chloroaniline	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
4-Chlorophenyl phenyl ether	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
4-Nitroaniline	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
4-Nitrophenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Acenaphthene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Acenaphthylene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Aniline	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Anthracene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Azobenzene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Benzidine	25000 □	5000 □	5000 □	5000 □	5000 □	5000 □	50000 □	5000 □	5000 □	10000 □	5000 □	5000 □	5000 □	5000 □	5000 □	5000 □	5000 □	5000 □	
Benzo(a)anthracene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Benzo(a)pyrene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Benzo(b)fluoranthene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Benzo(g,h,i)perylene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Benzo(k)fluoranthene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Benzoic acid	13000 □	2500 □	2500 □	2500 □	2500 □	2500 □	25000 □	2500 □	2500 □	5000 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	
Benzyl alcohol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
bis(2-Chloroethoxy)methane	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
bis(2-Chloroethyl)ether	13000 □	2500 □	2500 □	2500 □	2500 □	2500 □	25000 □	2500 □	2500 □	5000 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	
bis(2-Ethylhexyl)phthalate (DEHP)	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Butyl benzylphthalate (BBP)	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Chrysene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Dibenz(a,h)anthracene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Dibenzofuran	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Diethyl phthalate	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Dimethyl phthalate	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Di-n-butylphthalate (DBP)	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Di-n-octyl phthalate (DnOP)	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Fluoranthene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Fluorene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Hexachlorobenzene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Hexachlorobutadiene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Hexachlorocyclopentadiene	7500 □	1500 □	1500 □	1500 □	1500 □	1500 □	15000 □	1500 □	1500 □	3000 □	1500 □	1500 □	1500 □	1500 □	1500 □	1500 □	1500 □	1500 □	
Hexachloroethane	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Indeno(1,2,3-cd)pyrene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Isophorone	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Naphthalene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Nitrobenzene	10000 □	2000 □	2000 □	2000 □	2000 □	2000 □	20000 □	2000 □	2000 □	4000 □	2000 □	2000 □	2000 □	2000 □	2000 □	2000 □	2000 □	2000 □	
N-Nitrosodimethylamine	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
N-Nitrosodi-n-propylamine	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
N-Nitrosodiphenylamine	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Pentachlorophenol	13000 □	2500 □	2500 □	2500 □	2500 □	2500 □	25000 □	2500 □	2500 □	5000 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	2500 □	
Phenanthrene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Phenol	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Pyrene	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	
Pyridine	2500 □	500 □	500 □	500 □	500 □	500 □	5000 □	500 □	500 □	1000 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	500 □	

Table A-2

Soil Sample Analytical Results for TPH, SVOCs, and VOCs
Phase II ESA for California Dairies, Inc.
11709 East Artesia Boulevard, Artesia, California

Sample Location	B1	B1	B1	B2	B2	B2	B3	B3	B3	B4	B4	B4	B5	B5	B5	B6	B6	B6	
Sample Identification	B1-0.5	B1-2	B1-20	B2-0.5	B2-2	B2-15	B3-0.5	B3-2	B3-18	B4-0.5	B4-2	B4-15	B5-1	B5-2	B5-18	B6-05	B6-2	B6-18	
Sample Date	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/30/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	07/31/2020	
Sample Depth	(0.5) ft BGS	(2) ft BGS	(20) ft BGS	(0.5) ft BGS	(2) ft BGS	(15) ft BGS	(0.5) ft BGS	(2) ft BGS	(18) ft BGS	(0.5) ft BGS	(2) ft BGS	(15) ft BGS	(1) ft BGS	(2) ft BGS	(18) ft BGS	(0.5) ft BGS	(2) ft BGS	(18) ft BGS	Tier 1 ESL
Volatile Organic Compounds (VOCs) by EPA Method 8260B																			
1,1,1,2-Tetrachloroethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,1,1-Trichloroethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,1,2,2-Tetrachloroethane	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,1,2-Trichloroethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,1-Dichloroethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,1-Dichloroethene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,1-Dichloropropene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,2,3-Trichlorobenzene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,2,3-Trichloropropane	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,2,4-Trichlorobenzene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,2,4-Trimethylbenzene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,2-Dibromo-3-chloropropane (DBCP)	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
1,2-Dibromoethane (Ethylene dibromide)	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,2-Dichlorobenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,2-Dichloroethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,2-Dichloropropane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,3,5-Trimethylbenzene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
1,3-Dichlorobenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,3-Dichloropropane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
1,4-Dichlorobenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
2,2-Dichloropropane	4.7 □	5.3 □	3.8 □	4.3 □	5.0 □	3.9 □	4.5 □	4.6 □	4.0 □	6.1 □	5.3 □	4.4 □	4.1 □	4.5 □	3.7 □	5.1 □	4.3 □	3.9 □	
2-Butanone (Methyl ethyl ketone) (MEK)	19 □	21 □	15 □	17 □	20 □	16 □	18 □	18 □	16 □	25 □	21 □	17 □	17 □	18 □	15 □	20 □	17 □	15 □	
2-Chlorotoluene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
2-Hexanone	19 □	21 □	15 □	17 □	20 □	16 □	18 □	18 □	16 □	25 □	21 □	17 □	17 □	18 □	15 □	20 □	17 □	15 □	
2-Phenylbutane (sec-Butylbenzene)	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
4-Chlorotoluene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	19 □	21 □	15 □	17 □	20 □	16 □	18 □	18 □	16 □	25 □	21 □	17 □	17 □	18 □	15 □	20 □	17 □	15 □	
Acetone	**52**	**81**	38 □	**49**	**61**	39 □	45 □	46 □	40 □	61 □	53 □	44 □	**42**	45 □	37 □	51 □	**71**	39 □	920
Benzene	0.93 □	**5.8**	**1.3**	**1.3**	**3.2**	0.78 □	0.89 □	**3.8**	**0.98**	1.2 □	1.4	0.87 □	**1.6**	**2.5**	**3.0**	1.0 □	**3.4**	**3.5**	25
Bromobenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Bromodichloromethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Bromoform	4.7 □	5.3 □	3.8 □	4.3 □	5.0 □	3.9 □	4.5 □	4.6 □	4.0 □	6.1 □	5.3 □	4.4 □	4.1 □	4.5 □	3.7 □	5.1 □	4.3 □	3.9 □	
Bromomethane (Methyl bromide)	19 □	21 □	15 □	17 □	20 □	16 □	18 □	18 □	16 □	25 □	21 □	17 □	17 □	18 □	15 □	20 □	17 □	15 □	
Carbon disulfide	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
Carbon tetrachloride	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Chlorobenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Chlorobromomethane	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Chloroethane	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Chloroform (Trichloromethane)	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Chloromethane (Methyl chloride)	19 □	21 □	15 □	17 □	20 □	16 □	18 □	18 □	16 □	25 □	21 □	17 □	17 □	18 □	15 □	20 □	17 □	15 □	
cis-1,2-Dichloroethene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
cis-1,3-Dichloropropene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Cymene (p-Isopropyltoluene)	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Dibromochloromethane	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Dibromomethane	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Dichlorodifluoromethane (CFC-12)	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Ethylbenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Isopropyl benzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	**1.1**	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	--
m&p-Xylenes	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Methyl tert butyl ether (MTBE)	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Methylene chloride	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
Naphthalene	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
N-Butylbenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
N-Propylbenzene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
o-Xylene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Styrene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
tert-Butylbenzene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Tetrachloroethene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
Toluene	0.93 □	**2.9**	**1.1**	0.86 □	**1.7**	0.78 □	0.89 □	**1.4**	0.81 □	1.2 □	1.1 □	0.87 □	**2.0**	**1.8**	**2.2**	1.0 □	**1.9**	**2.0**	3,200
trans-1,2-Dichloroethene	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	
trans-1,3-Dichloropropene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Trichloroethene	1.9 □	2.1 □	1.5 □	1.7 □	2.0 □	1.6 □	1.8 □	1.8 □	1.6 □	2.5 □	2.1 □	1.7 □	1.7 □	1.8 □	1.5 □	2.0 □	1.7 □	1.5 □	
Trichlorofluoromethane (CFC-11)	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
Trifluorotrichloroethane (CFC-113)	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
Vinyl acetate	9.3 □	11 □	7.5 □	8.6 □	10 □	7.8 □	8.9 □	9.1 □	8.1 □	12 □	11 □	8.7 □	8.3 □	9.0 □	7.5 □	10 □	8.5 □	7.7 □	
Vinyl chloride	0.93 □	1.1 □	0.75 □	0.86 □	1.0 □	0.78 □	0.89 □	0.91 □	0.81 □	1.2 □	1.1 □	0.87 □	0.83 □	0.90 □	0.75 □	1.0 □	0.85 □	0.77 □	

Notes:

□ - Not detected at the associated reporting limit.
Values are reported in micrograms per kilogram.
ft BGS - feet below ground surface
EPA - Environmental Protection Agency
Tier 1 ESL - San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Level
Detections are **bolded.**

Table A-3

Soil Sample Analytical Results for Metals
Phase II ESA for California Dairies, Inc.
11709 Artesia Boulevard, Artesia, California

Sample Location	**B1**	**B1**	**B1**	**B2**	**B2**	**B2**	**B3**	**B3**	**B3**	**B4**	**B4**	**B4**	**B5**	**B5**	**B5**	**B6**	**B6**	**B6**	
Sample Identification	**B1-0.5**	**B1-2**	**B1-20**	**B2-0.5**	**B2-2**	**B2-15**	**B3-0.5**	**B3-2**	**B3-18**	**B4-0.5**	**B4-2**	**B4-15**	**B5-1**	**B5-2**	**B5-18**	**B6-05**	**B6-2**	**B6-18**	
Sample Date	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	
Sample Depth	**(0.5) ft BGS**	**(2) ft BGS**	**(20) ft BGS**	**(0.5) ft BGS**	**(2) ft BGS**	**(15) ft BGS**	**(0.5) ft BGS**	**(2) ft BGS**	**(18) ft BGS**	**(0.5) ft BGS**	**(2) ft BGS**	**(15) ft BGS**	**(1) ft BGS**	**(2) ft BGS**	**(18) ft BGS**	**(0.5) ft BGS**	**(2) ft BGS**	**(18) ft BGS**	**Tier 1 ESL**
Antimony	754 □	732 □	732 □	746 □	728 □	715 □	765 □	773 □	769 □	725 □	732 □	739 □	777 □	765 □	765 □	758 □	735 □	732 □	
Arsenic	**7,850**	**4,070**	**1,440**	**3,620**	**2,960**	**5,730**	**3,920**	**7,200**	**2,000**	**5,710**	**5,630**	**1,260**	**4,280**	**8,640**	**2,210**	**1,750**	**5,380**	**1,670**	67
Barium	**81,300**	**177,000**	**158,000**	**138,000**	**122,000**	**103,000**	**75,900**	**184,000**	**74,100**	**119,000**	**125,000**	**56,000**	**159,000**	**197,000**	**122,000**	**64,000**	**181,000**	**141,000**	390,000
Beryllium	251 □	**713**	**676**	**535**	**531**	**494**	**340**	**779**	**299**	**483**	**524**	**264**	**723**	**806**	**460**	**434**	**781**	**590**	5,000
Cadmium	503 □	488 □	488 □	498 □	485 □	477 □	510 □	515 □	513 □	483 □	488 □	493 □	518 □	510 □	510 □	505 □	490 □	488 □	
Chromium	**8,580**	**22,200**	**19,600**	**15,400**	**17,100**	**14,700**	**8,390**	**22,900**	**10,100**	**15,100**	**15,300**	**8,030**	**21,200**	**24,300**	**14,600**	**5,970**	**23,000**	**19,200**	160,000
Cobalt	**3,490**	**11,400**	**10,600**	**8,370**	**8,950**	**8,370**	**4,850**	**12,200**	**5,640**	**7,960**	**8,240**	**4,980**	**9,820**	**12,400**	**8,080**	**2,560**	**11,700**	**9,470**	23,000
Copper	**11,000**	**31,000**	**28,200**	**23,200**	**22,000**	**18,500**	**13,200**	**32,700**	**10,400**	**18,800**	**22,000**	**8,390**	**29,000**	**35,200**	**17,000**	**2,730**	**39,600**	**23,200**	180,000
Lead	**17,900**	**5,100**	**4,060**	**57,800**	**20,400**	**1,850**	**39,200**	**5,020**	**1,030**	**4,400**	**5,720**	**758**	**9,900**	**4,410**	**2,450**	**1,880**	**6,290**	**2,860**	32,000
Mercury	**108**	**103**	83.3 □	80.6 □	84.7 □	82 □	**142**	**106**	84.7 □	86.2 □	**110**	80.6 □	82 □	165	86.2 □	84.7 □	83.3 □	80.6 □	13,000
Molybdenum	251 □	244 □	244 □	249 □	243 □	238 □	255 □	258 □	256 □	242 □	244 □	246 □	259 □	255 □	255 □	**758**	245 □	244 □	
Nickel	**6,200**	**18,100**	**16,600**	**13,300**	**14,900**	**12,400**	**8,170**	**19,200**	**7,970**	**12,800**	**12,800**	**7,130**	**15,600**	**19,200**	**12,900**	**3,660**	**18,500**	**14,800**	86,000
Selenium	754 □	732 □	732 □	746 □	728 □	715 □	765 □	773 □	769 □	725 □	732 □	739 □	777 □	765 □	765 □	758 □	735 □	732 □	
Silver	**508**	244 □	244 □	249 □	243 □	238 □	255 □	258 □	256 □	242 □	244 □	246 □	259 □	255 □	255 □	253 □	245 □	244 □	
Thallium	754 □	732 □	732 □	746 □	728 □	715 □	765 □	773 □	769 □	725 □	732 □	739 □	777 □	765 □	765 □	758 □	735 □	732 □	
Vanadium	**13,900**	**37,800**	**36,200**	**27,900**	**32,800**	**29,200**	**18,300**	**44,100**	**18,700**	**28,000**	**30,300**	**17,200**	**39,000**	**47,700**	**28,400**	**18,000**	**39,700**	**35,000**	18,000
Zinc	**29,500**	**58,300**	**47,100**	**61,000**	**56,100**	**36,200**	**42,500**	**55,600**	**26,400**	**41,100**	**50,600**	**23,100**	**64,900**	**53,900**	**36,600**	**13,400**	**66,300**	**42,600**	340,000

Notes:

□ - Not detected at the associated reporting limit.
Values are reported in micrograms per kilogram.
ft BGS - feet below ground surface
Metals Analysis by EPA Method 6010B except mercury, by EPA Method 7471A
EPA - Environmental Protection Agency
Tier 1 ESL - San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Level
Detections are **bolded**.

Table A-4

Groundwater Analytical Results for TPH, SVOCs, and VOCs
Phase II ESA for California Dairies, Inc.
11709 Artesia Boulevard, Artesia, California

Sample Location	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**
Sample Identification	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**
Sample Date	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**
Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B						
Total Petroleum Hydrocarbons (C10-C28) DRO	46 □	47 □	--	--	--	--
Total Petroleum Hydrocarbons (C17-C44) Motor Oil	230 □	240 □	--	--	--	--
Total Petroleum Hydrocarbons (C4-C12) GRO	50 □	50 □	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C						
1,2,4-Trichlorobenzene	10 □	10 □	10 □	11 □	11 □	9.8 □
1,2-Dichlorobenzene	10 □	10 □	10 □	11 □	11 □	9.8 □
1,3-Dichlorobenzene	10 □	10 □	10 □	11 □	11 □	9.8 □
1,4-Dichlorobenzene	10 □	10 □	10 □	11 □	11 □	9.8 □
1-Methylnaphthalene	10 □	10 □	10 □	11 □	11 □	9.8 □
2,2□Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	10 □	10 □	10 □	11 □	11 □	9.8 □
2,4,5-Trichlorophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2,4,6-Trichlorophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2,4-Dichlorophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2,4-Dimethylphenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2,4-Dinitrophenol	50 □	51 □	51 □	54 □	54 □	49 □
2,4-Dinitrotoluene	10 □	10 □	10 □	11 □	11 □	9.8 □
2,6-Dichlorophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2,6-Dinitrotoluene	10 □	10 □	10 □	11 □	11 □	9.8 □
2-Chloronaphthalene	10 □	10 □	10 □	11 □	11 □	9.8 □
2-Chlorophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2-Methylnaphthalene	10 □	10 □	10 □	11 □	11 □	9.8 □
2-Methylphenol	10 □	10 □	10 □	11 □	11 □	9.8 □
2-Nitroaniline	10 □	10 □	10 □	11 □	11 □	9.8 □
2-Nitrophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
3&4-Methylphenol	10 □	10 □	10 □	11 □	11 □	9.8 □
3,3□Dichlorobenzidine	25 □	26 □	25 □	27 □	27 □	25 □
3-Nitroaniline	10 □	10 □	10 □	11 □	11 □	9.8 □
4,6-Dinitro-2-methylphenol	50 □	51 □	51 □	54 □	54 □	49 □
4-Bromophenyl phenyl ether	10 □	10 □	10 □	11 □	11 □	9.8 □
4-Chloro-3-methylphenol	10 □	10 □	10 □	11 □	11 □	9.8 □
4-Chloroaniline	10 □	10 □	10 □	11 □	11 □	9.8 □
4-Chlorophenyl phenyl ether	10 □	10 □	10 □	11 □	11 □	9.8 □
4-Nitroaniline	10 □	10 □	10 □	11 □	11 □	9.8 □
4-Nitrophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
Acenaphthene	10 □	10 □	10 □	11 □	11 □	9.8 □
Acenaphthylene	10 □	10 □	10 □	11 □	11 □	9.8 □
Aniline	10 □	10 □	10 □	11 □	11 □	9.8 □
Anthracene	10 □	10 □	10 □	11 □	11 □	9.8 □
Azobenzene	10 □	10 □	10 □	11 □	11 □	9.8 □
Benzidine	50 □	51 □	51 □	54 □	54 □	49 □
Benzo(a)anthracene	10 □	10 □	10 □	11 □	11 □	9.8 □
Benzo(a)pyrene	10 □	10 □	10 □	11 □	11 □	9.8 □
Benzo(b)fluoranthene	10 □	10 □	10 □	11 □	11 □	9.8 □
Benzo(g,h,i)perylene	10 □	10 □	10 □	11 □	11 □	9.8 □
Benzo(k)fluoranthene	10 □	10 □	10 □	11 □	11 □	9.8 □
Benzoic acid	50 □	51 □	51 □	54 □	54 □	49 □
Benzyl alcohol	10 □	10 □	10 □	11 □	11 □	9.8 □
bis(2-Chloroethoxy)methane	10 □	10 □	10 □	11 □	11 □	9.8 □
bis(2-Chloroethyl)ether	25 □	26 □	25 □	27 □	27 □	25 □
bis(2-Ethylhexyl)phthalate (DEHP)	10 □	10 □	10 □	11 □	11 □	9.8 □
Butyl benzylphthalate (BBP)	10 □	10 □	10 □	11 □	11 □	9.8 □
Chrysene	10 □	10 □	10 □	11 □	11 □	9.8 □
Dibenz(a,h)anthracene	10 □	10 □	10 □	11 □	11 □	9.8 □
Dibenzofuran	10 □	10 □	10 □	11 □	11 □	9.8 □
Diethyl phthalate	10 □	10 □	10 □	11 □	11 □	9.8 □
Dimethyl phthalate	10 □	10 □	10 □	11 □	11 □	9.8 □
Di-n-butylphthalate (DBP)	10 □	10 □	10 □	11 □	11 □	9.8 □
Di-n-octyl phthalate (DnOP)	10 □	10 □	10 □	11 □	11 □	9.8 □
Fluoranthene	10 □	10 □	10 □	11 □	11 □	9.8 □
Fluorene	10 □	10 □	10 □	11 □	11 □	9.8 □
Hexachlorobenzene	10 □	10 □	10 □	11 □	11 □	9.8 □
Hexachlorobutadiene	10 □	10 □	10 □	11 □	11 □	9.8 □
Hexachlorocyclopentadiene	25 □	26 □	25 □	27 □	27 □	25 □
Hexachloroethane	10 □	10 □	10 □	11 □	11 □	9.8 □
Indeno(1,2,3-cd)pyrene	10 □	10 □	10 □	11 □	11 □	9.8 □
Isophorone	10 □	10 □	10 □	11 □	11 □	9.8 □
Naphthalene	10 □	10 □	10 □	11 □	11 □	9.8 □
Nitrobenzene	25 □	26 □	25 □	27 □	27 □	25 □
N-Nitrosodimethylamine	10 □	10 □	10 □	11 □	11 □	9.8 □
N-Nitrosodi-n-propylamine	10 □	10 □	10 □	11 □	11 □	9.8 □
N-Nitrosodiphenylamine	10 □	10 □	10 □	11 □	11 □	9.8 □
Pentachlorophenol	10 □	10 □	10 □	11 □	11 □	9.8 □
Phenanthrene	10 □	10 □	10 □	11 □	11 □	9.8 □
Phenol	10 □	10 □	10 □	11 □	11 □	9.8 □
Pyrene	10 □	10 □	10 □	11 □	11 □	9.8 □
Pyridine	10 □	10 □	10 □	11 □	11 □	9.8 □

Table A-4

Groundwater Analytical Results for TPH, SVOCs, and VOCs
Phase II ESA for California Dairies, Inc.
11709 Artesia Boulevard, Artesia, California

Sample Location	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**
Sample Identification	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**
Sample Date	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**
Volatile Organic Compounds (VOCs) by EPA Method 8260B						
1,1,1,2-Tetrachloroethane	2.0 □	4.0 □	2.0 □	2.0 □	4.0 □	2.0 □
1,1,1-Trichloroethane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,1,2,2-Tetrachloroethane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,1,2-Trichloroethane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,1-Dichloroethane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,1-Dichloroethene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,1-Dichloropropene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,2,3-Trichlorobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,2,3-Trichloropropane	5.0 □	10 □	5.0 □	5.0 □	10 □	5.0 □
1,2,4-Trichlorobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,2,4-Trimethylbenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,2-Dibromo-3-chloropropane (DBCP)	10 □	20 □	10 □	10 □	20 □	10 □
1,2-Dibromoethane (Ethylene dibromide)	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,2-Dichlorobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,2-Dichloroethane	0.50 □	1.0 □	0.50 □	0.50 □	1.0 □	0.50 □
1,2-Dichloropropane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,3,5-Trimethylbenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,3-Dichlorobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,3-Dichloropropane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
1,4-Dichlorobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
2,2-Dichloropropane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
2-Butanone (Methyl ethyl ketone) (MEK)	20 □	40 □	20 □	20 □	40 □	20 □
2-Chlorotoluene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
2-Hexanone	10 □	20 □	10 □	10 □	20 □	10 □
2-Phenylbutane (sec-Butylbenzene)	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
4-Chlorotoluene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	10 □	20 □	10 □	10 □	20 □	10 □
Acetone	20 □	40 □	20 □	20 □	40 □	20 □
Benzene	0.50 □	1.0 □	0.50 □	0.50 □	1.0 □	0.50 □
Bromobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Bromodichloromethane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Bromoform	5.0 □	10 □	5.0 □	5.0 □	10 □	5.0 □
Bromomethane (Methyl bromide)	50 □	100 □	50 □	50 □	100 □	50 □
Carbon disulfide	10 □	20 □	10 □	10 □	20 □	10 □
Carbon tetrachloride	0.50 □	1.0 □	0.50 □	0.50 □	1.0 □	0.50 □
Chlorobenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Chlorobromomethane	2.0 □	4.0 □	2.0 □	2.0 □	4.0 □	2.0 □
Chloroethane	5.0 □	10 □	5.0 □	5.0 □	10 □	5.0 □
Chloroform (Trichloromethane)	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Chloromethane (Methyl chloride)	10 □	20 □	10 □	10 □	20 □	10 □
cis-1,2-Dichloroethene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
cis-1,3-Dichloropropene	0.50 □	1.0 □	0.50 □	0.50 □	1.0 □	0.50 □
Cymene (p-Isopropyltoluene)	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Dibromochloromethane	2.0 □	4.0 □	2.0 □	2.0 □	4.0 □	2.0 □
Dibromomethane	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Dichlorodifluoromethane (CFC-12)	5.0 □	10 □	5.0 □	5.0 □	10 □	5.0 □
Ethylbenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Isopropyl benzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
m&p-Xylenes	2.0 □	4.0 □	2.0 □	2.0 □	4.0 □	2.0 □
Methyl tert butyl ether (MTBE)	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Methylene chloride	10 □	20 □	10 □	10 □	20 □	10 □
Naphthalene	10 □	20 □	10 □	10 □	20 □	10 □
N-Butylbenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
N-Propylbenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
o-Xylene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Styrene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
tert-Butylbenzene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Tetrachloroethene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Toluene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
trans-1,2-Dichloroethene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
trans-1,3-Dichloropropene	0.50 □	1.0 □	0.50 □	0.50 □	1.0 □	0.50 □
Trichloroethene	1.0 □	2.0 □	1.0 □	1.0 □	2.0 □	1.0 □
Trichlorofluoromethane (CFC-11)	10 □	20 □	10 □	10 □	20 □	10 □
Trifluorotrichloroethane (CFC-113)	10 □	20 □	10 □	10 □	20 □	10 □
Vinyl acetate	10 □	20 □	10 □	10 □	20 □	10 □
Vinyl chloride	0.50 □	1.0 □	0.50 □	0.50 □	1.0 □	0.50 □

Notes:

□ - Not detected at the associated reporting limit.
Values are reported in micrograms per Liter.
EPA - Environmental Protection Agency

Table A-5

Groundwater Sample Analytical Results for Metals and Nitrogen Compounds
Phase II ESA for California Dairies, Inc.
11709 East Artesia Boulevard, Artesia, California

Sample Location	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**		
Sample Identification	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**		
Sample Date	**07/30/2020**	**07/30/2020**	**07/30/2020**	**07/31/2020**	**07/31/2020**	**07/31/2020**	**EPA MCL**	**CA MCL**
Metals								
Antimony	100 □	100 □	100 □	100 □	100 □	100 □		
Arsenic	100 □	100 □	100 □	100 □	100 □	100 □		
Barium	**162**	**161**	**125**	**537**	**706**	**211**	2,000	1,000
Beryllium	10 □	10 □	10 □	10 □	10 □	10 □		
Cadmium	10 □	10 □	10 □	10 □	10 □	10 □		
Chromium	50 □	50 □	50 □	50 □	50 □	50 □		
Cobalt	50 □	50 □	50 □	50 □	50 □	50 □		
Copper	50 □	50 □	50 □	50 □	50 □	50 □		
Lead	50 □	50 □	50 □	50 □	50 □	50 □		
Mercury	0.5 □	**3.31**	**2.71**	**2.86**	**1.34**	0.5 □	2	2
Molybdenum	50 □	50 □	50 □	50 □	50 □	50 □		
Nickel	50 □	50 □	50 □	50 □	**57.4**	50 □	--	100
Selenium	100 □	100 □	100 □	100 □	100 □	100 □		
Silver	10 □	10 □	10 □	10 □	10 □	10 □		
Thallium	50 □	50 □	50 □	50 □	50 □	50 □		
Vanadium	**13.3**	10 □	**13.1**	10 □	**76**	**12.5**	--	--
Zinc	250 □	250 □	250 □	250 □	250 □	250 □		
General Chemistry								
Ammonia-N	**117**	**269**	**162**	**648**	**575**	**536**	--	--
Nitrate (as N)	**120**	**9,400**	**4,500**	100 □	100 □	470	1,000	45,000 (as NO_3)
Nitrite (as N)	100 □	100 □	100 □	100 □	100 □	100 □		

Notes:

□ - Not detected at the associated reporting limit.
Values are reported in micrograms per Liter.
Metals analysis by EPA Method 6010B except mercury, by EPA Method 7471A
Ammonia analysis by EPA Method 350.1
Nitrate and Nitrite analysis by EPA Method 300.0
N - Nitrogen
MCL - Maximum Contaminant Level
EPA - □.S. Environmental Protection Agency
CA - California
Detections are **bolded.**

Appendix D

Preliminary Hydrology Study

PRELIMINARY HYDROLOGY STUDY

VTTM NO. 83834
11709 Artesia Boulevard
City of Artesia, County of Los Angeles

Project Address:
11709 Artesia Boulevard
Artesia, CA 90701

Prepared For:

G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
Contact: Mitchell Gardner

Prepared By:

C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
Contact: Ryan Bittner, P.E.

June 2022

Preliminary Hydrology Study
For
Vesting Tentative Tract Map No. 83834

Acknowledgement and Signature Page

This Preliminary Hydrology Study was prepared by C&V Consulting, Inc. under the supervision of Ryan Bittner, P.E.

Ryan Bittner, P.E. 68167
C&V Consulting, Inc.

6/10/2022
Date

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Existing Conditions
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Detention Routing Analysis
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APPENDIX E PRELIMINARY PROPOSED CONDITIONS HYDROLOGY MAP
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I. Purpose

The purpose of this report is to provide quantitative information to verify the design of the storm drain infrastructure and hydrologic methodology of the project site. The values and statements within the confirm the subject site is designed and planned in accordance with the Los Angeles County Hydrology Manual and the City of Artesia drainage requirements.

II. Site Description

The proposed project site consists of several existing lots that forms a rectangular shape area with a gross area of 4.99 acre and the proposed improvement of the project comprises of an area of 3.30 acre. It is located at 11709 Artesia Boulevard, in the City of Artesia (APN:7035-016-064). The site is bounded by Flallon Avenue to the west, Alburtis Avenue to the east, Artesia Boulevard to the south, and an industrial building to the north.

The existing conditions of the project site consist of a vacant lot. The entire site is completely paved with no landscaping on site per geospatial images which is assumed to have a negligible pervious area coverage.

The existing drainage of the project site generally surface flows southerly to confluence with the street flows to the existing catch basins at the public right of way adjacent to the site near the corner of Artesia Boulevard and Flallon Avenue. There is an existing drainage inlet near the center of the site that collects a portion of the center of the site. As the portion of the site that collects flow are generally flat and the low point ponds to slope towards the Fallon Avenue, the site is analyzed as a single drainage area that is tributary to the downstream system.

The project proposes the construction of 16 residential buildings with 80 attached condominiums with private garages, private drive aisles, sidewalks, and common landscaped areas. The project site will be accessible with entrances/ exits along Flallon Avenue and Alburtis Avenue. The proposed site is separated into nine (9) drainage areas where each tributary area's runoff enters the proposed inlet near each entrance of the site. The proposed catch basin inlets and grated inlets collect the proposed site's generated runoff to be routed to an underground detention system that feeds into a bio-filtration system via pump station for water quality treatment. The treated flow will be pumped to a parkway culvert and be routed to the downstream system following existing drainage pattern. When the underground detention is at full capacity, the confluence of the flows will be mitigated to the proposed overflow parkway culvert through the interconnected storm drain system. The public streets, which will not be a part of this hydrological analysis are to be remain in-kind to preserve the historical drainage pattern.

In cases of higher storm event, the site is graded to outlet overflow at the entrances of the site towards Flallon Avenue and Alburtis Avenue after the detention fills up and storm runoff bubbles out from the inlets of the site. The runoff will then continue along the street flow downstream following existing conditions.

According to the federal Emergency Management Agency (FEMA) FIRM rate map number 06037C1980F, effective date September 26, 2008, the site is located within flood Zone X, area with reduced flood risk due to levee.

A separately preliminary LID plan is prepared to address the Los Angeles County storm water quality requirements.

A separately preliminary LID plan is prepared to address the Los Angeles County storm water quality requirements.

Refer to Vicinity Map in Appendix A for site location.

III. Methodology

The project site's drainage was analyzed per the Los Angeles County Hydrology Manual. The existing and proposed conditions of the site were analyzed for peak flow rate and time of concentration for the 25- and 100- storm events based on acreage and land cover per LACDPW HydroCalc program.

IV. Design Assumption

1. The LACDPW HydroCalc Calculator Program was used to determine Tc, Peak run-off flow rate, and run-off volume for subarea based on the longest flow path and elevation difference.
2. The Property is located in the "Los Alamitos" rainfall region per Figure 1.H1.6 of the Hydrology Manual. A depth of 5.5 inches of rainfall was determined from the 50-year storm 24-hour isohyet map.
3. The site is in the soil classification of "006" per Figure 1.H1.6 of the Hydrology Manual.
4. Existing condition is assumed to be a value of 100% impervious based on geospatial observation of google earth images.
5. Proposed condition is assumed to be approximately 86% impervious base on the recommended values of Medium-Rise Apartments, Condominiums per Hydrology Manual.
6. Proposed storm drains will be sized to convey the 25-year storm per urban flood requirement.
7. No direct connections to the public storm drain are proposed. Therefore, proposed peak flow mitigation will governed by the existing peak flows.

V. Hydrology Calculation

A summary of the project site's existing and proposed conditions peak runoff values generated from the project site has been provided below.

Hydrology Summary

Generated runoff peak flowrate summary:

Pre-Development Conditions	Area (ac)	Q_{25} (cfs)	Q_{100} (cfs)
DMA-XA	3.30	6.86	10.04

Post-Development Conditions	Area (ac)	Q_{25} (cfs)	Q_{100} (cfs)
DMA-A-1	0.41	1.05	1.35
DMA-A-2	0.31	0.79	1.02
DMA-A-3	0.39	1.00	1.29
DMA-A-4	0.29	0.74	0.96
DMA-A-5	0.28	0.72	0.92
DMA-A-6	0.36	0.92	1.19
DMA-A-7	0.21	0.54	0.69
DMA-A-8	0.69	1.78	2.28
DMA-A-9	0.36	0.93	1.19
Total	3.30	8.47	10.89

Mitigated drainage summary:

	Area (ac)	Q_{25} (cfs)
Pre-Development Conditions Drainage	3.30	6.86
Post-Development Conditions Drainage	3.30	5.56

Q25 Percent Difference	-19.0%

Refer to Appendix C, D, & E of this report for additional information and LACDPW HydroCalc output data, as well as the pre- and post-development hydrology maps.

Detention Sizing

Detention volume calculation was verified that the proposed drainage mitigates to 25-year storm event pre-development peak flowrate as well as detained per water quality treatment volume requirement. Refer to summary of detention sizing below:

	Area (ac)	Q_{25} generated Runoff Volume (cu-ft)
Pre-Development Conditions Drainage	3.30	51,631.7
Post-Development Conditions Drainage	3.30	47,516.5
Pre. vs Post. Difference		-4,115.2

	Area (ac)	Pre- vs. Post Q_{25} Hydrograph Difference (cu-ft)	Required Water Quality Treatment Volume (cu-ft)	Proposed Underground Detention Volume (cu-ft)
Proposed Project Site	3.30	-4,115.2	12,712.8	13,095.0

Refer to separate prepared LID for additional information on water quality treatment volume.

VI. Hydraulic Calculation

Pipe Sizing

Onsite storm drain piping will be sized for the 25-year storm event and will be analyzed based on open channel flow. Therefore, WSPG hydraulic pressure analysis is not warranted.

$Q = \frac{k'}{n} d^{8/3} S^{1/2}$ per King's Handbook

k' = 0.463

d = pipe diameter

n=0.013*

S=0.005

Pipe Diameter	Max. Q (cfs)
8"	0.854
12"	2.518
15"	4.566
18"	7.425
24"	15.991
36"	47.146

n=0.013*

S=0.010

Pipe Diameter	Max. Q (cfs)
8"	1.208
12"	3.562
15"	6.457
18"	10.501
24"	22.614
36"	66.675

*A Manning's Roughness Coefficient of 0.013 has been utilized to represent the roughness coefficient of PVC and/or HDPE piping.

Catch Basin Inlet Sizing

Catch Basin inlet sizing will be sized based on the 25-year storm event to conform with LACDPW Hydrology urban flood street capacity and will be provided during final engineering.

100-Year Water Surface Elevation (WSE)

The elevation of the 100-year water surface will be analyzed during final engineering. Building finished floors will be set at a minimum of at least 1 foot above the 100-year WSE.

VII. Conclusion

The result from this hydrology study demonstrate that the overall proposed development condition will generate a higher peak runoff flowrate but a lower runoff volume than the existing condition of the site. Detention/ Routing analysis demonstrated that the 25-year storm mitigated runoff peak flow will be lower than existing conditions, which will also satisfy water quality treatment requirements. During final engineering, pervious area is to be verify with final landscape plan to confirm the water quality treatment detention volume and water quality flow rate with the routing analysis.

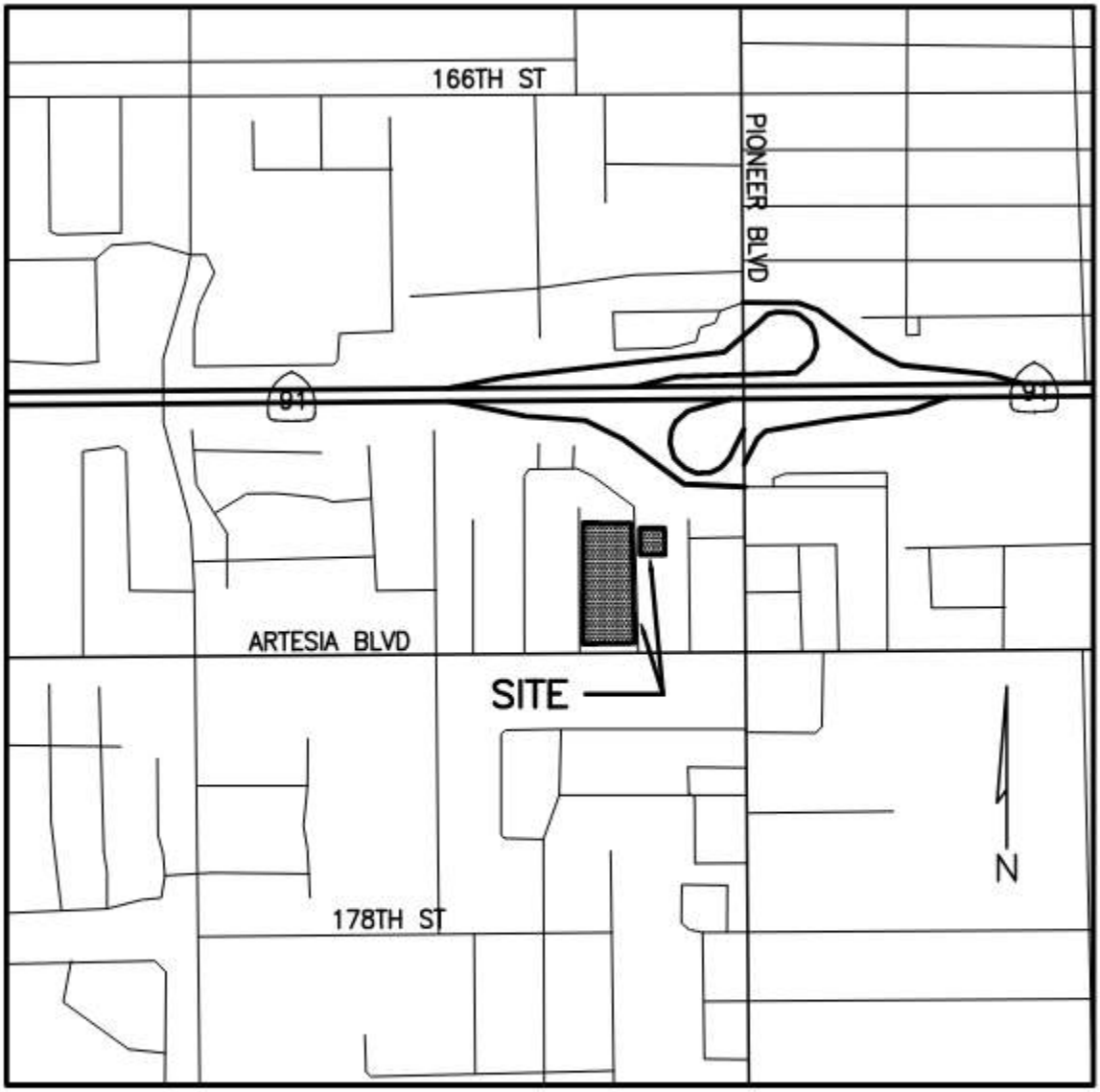
In cases of higher storm event, the site is graded to outlet overflow at the entrances of the site towards Flallon Avenue and Alburtis Avenue after the detention fills up and storm runoff bubbles out from the inlets of the site. The runoff will then continue along the street flow downstream following existing conditions.

VIII. References

1. Los Angeles County Department of Public Works (LACDPW) Hydrology Manual, January 2006.
2. LACDPW HydroCalc Program was utilized to determine flow rates and time of concentrations.
3. Existing and Proposed Conditions Hydrology Maps, prepared by C&V Consulting, Inc.
4. KING, HORACE WILLIAMS HANDBOOK OF HYDRAULICS: for the Solution of Hydraulic Problems (Classic Reprint). FORGOTTEN Books, 2015

APPENDIX A

Vicinity Map



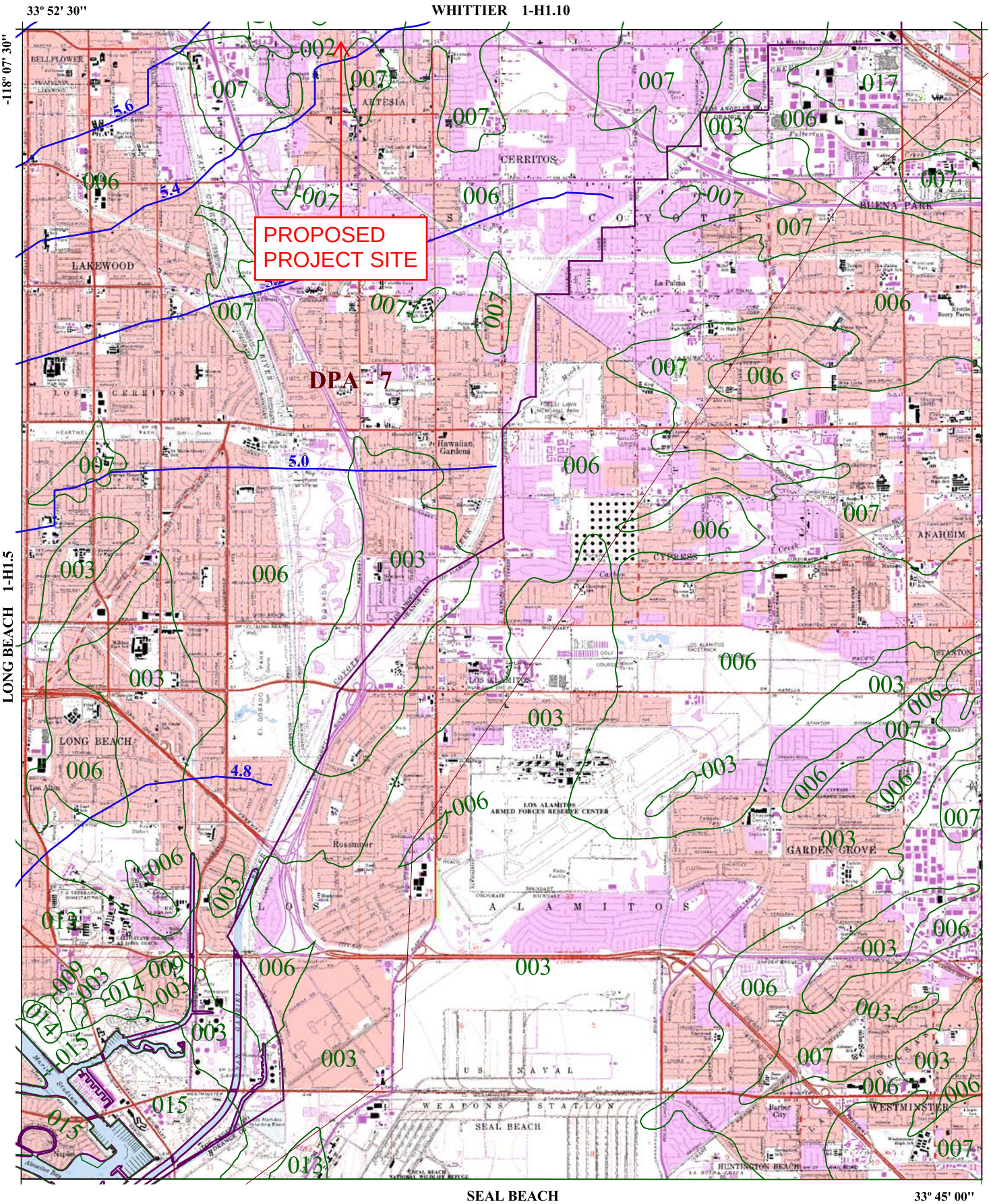
VICINITY MAP
N.T.S.

11709 ARTESIA BOULEVARD

ARTESIA, CALIFORNIA

APPENDIX B

Los Alamitos Isohyet Map



N
W E
S

016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

LOS ALAMITOS
50-YEAR 24-HOUR ISOHYET

1-H1.6

LOS ANGELES COUNTY PUBLIC WORKS
Public Service That Works

APPENDIX C

HydroCalc Outputs

Existing Conditions

Peak Flow Hydrologic Analysis

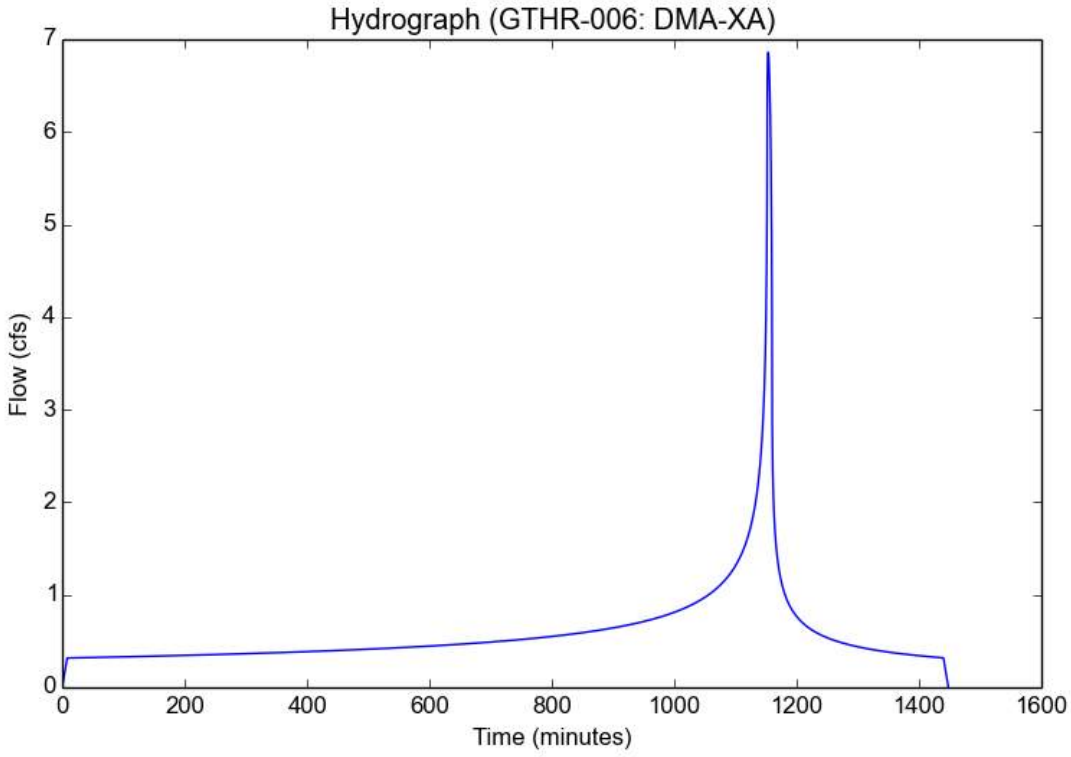
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/GTHR-006 - DMA-XA_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-XA
Area (ac)	3.3
Flow Path Length (ft)	390.0
Flow Path Slope (vft/hft)	0.0051
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.3101
Undeveloped Runoff Coefficient (Cu)	0.7663
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	6.8609
Burned Peak Flow Rate (cfs)	6.8609
24-Hr Clear Runoff Volume (ac-ft)	1.1853
24-Hr Clear Runoff Volume (cu-ft)	51631.7095



Peak Flow Hydrologic Analysis

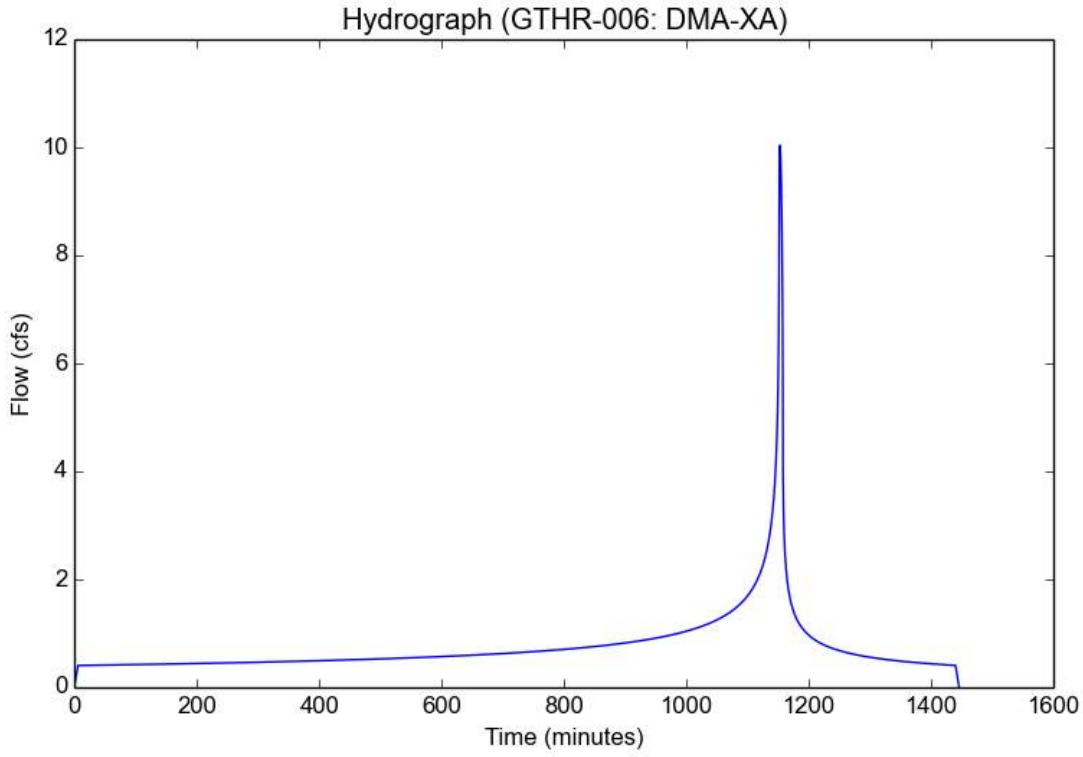
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/GTHR-006 - DMA-XA_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-XA
Area (ac)	3.3
Flow Path Length (ft)	390.0
Flow Path Slope (vft/hft)	0.0051
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.3794
Undeveloped Runoff Coefficient (Cu)	0.8489
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	10.0369
Burned Peak Flow Rate (cfs)	10.0369
24-Hr Clear Runoff Volume (ac-ft)	1.5147
24-Hr Clear Runoff Volume (cu-ft)	65980.3618



Proposed Conditions

Peak Flow Hydrologic Analysis

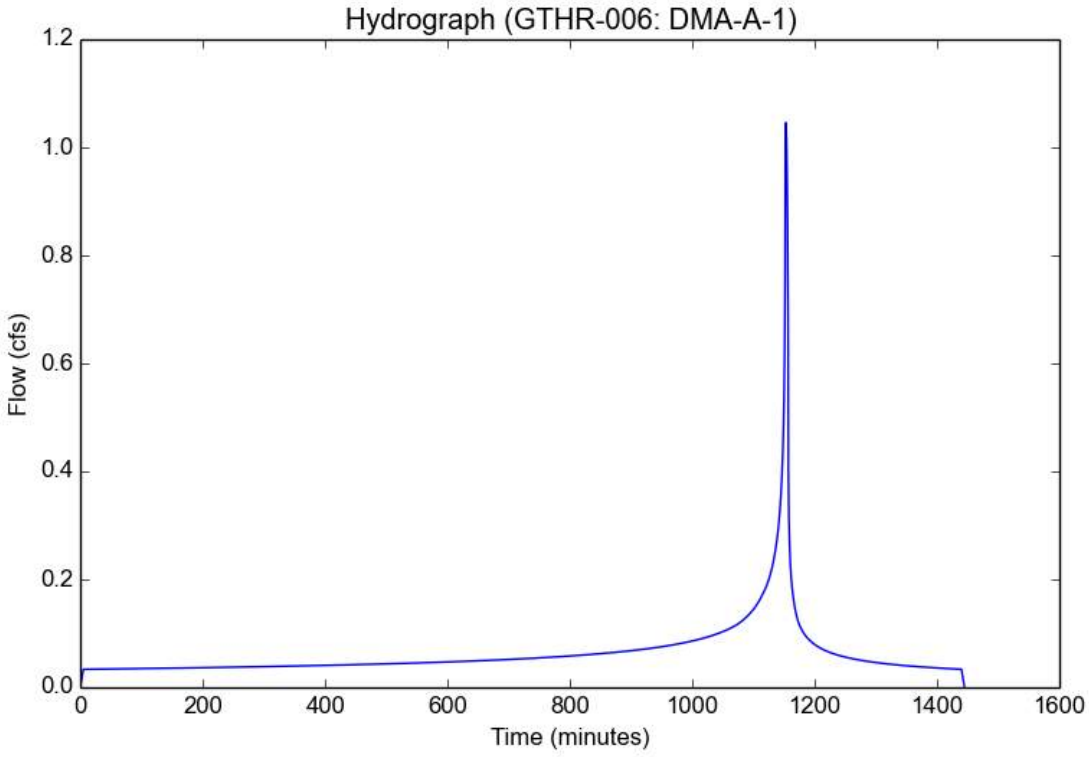
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-1/GTHR-006 - DMA-A-1_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-1
Area (ac)	0.41
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.83
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8854
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.0458
Burned Peak Flow Rate (cfs)	1.0458
24-Hr Clear Runoff Volume (ac-ft)	0.1275
24-Hr Clear Runoff Volume (cu-ft)	5555.3071



Peak Flow Hydrologic Analysis

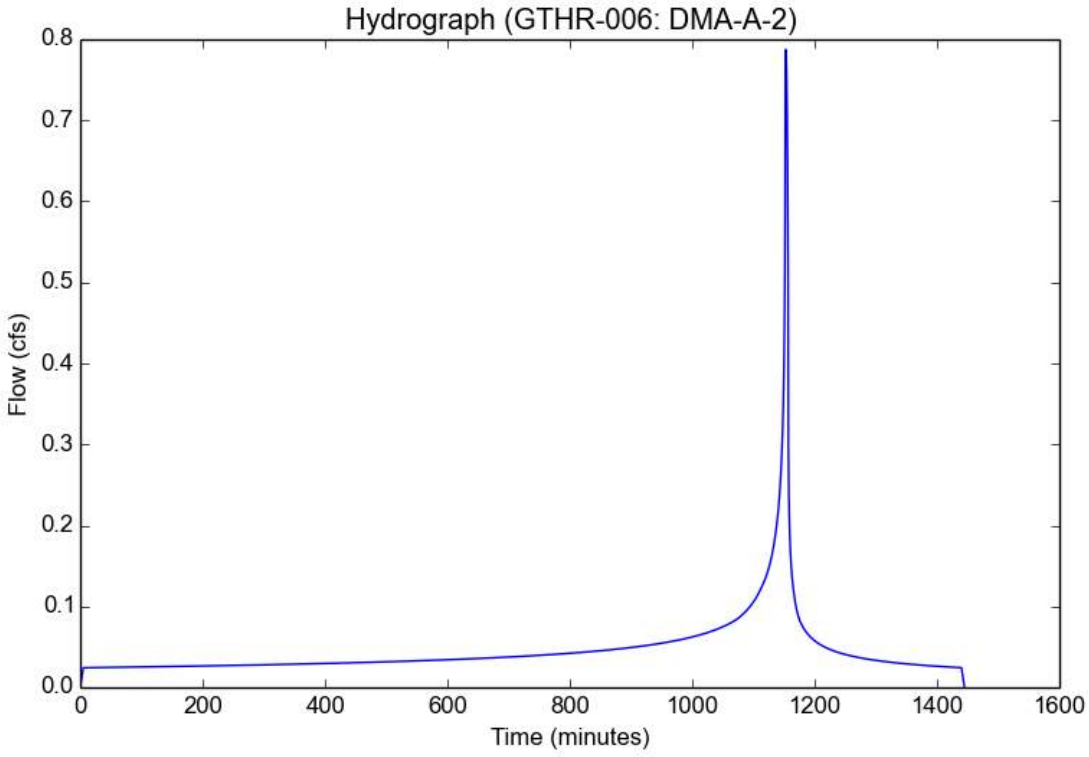
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-2/GTHR-006 - DMA-A-2_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-2
Area (ac)	0.31
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.79
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8819
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7877
Burned Peak Flow Rate (cfs)	0.7877
24-Hr Clear Runoff Volume (ac-ft)	0.0929
24-Hr Clear Runoff Volume (cu-ft)	4047.4377



Peak Flow Hydrologic Analysis

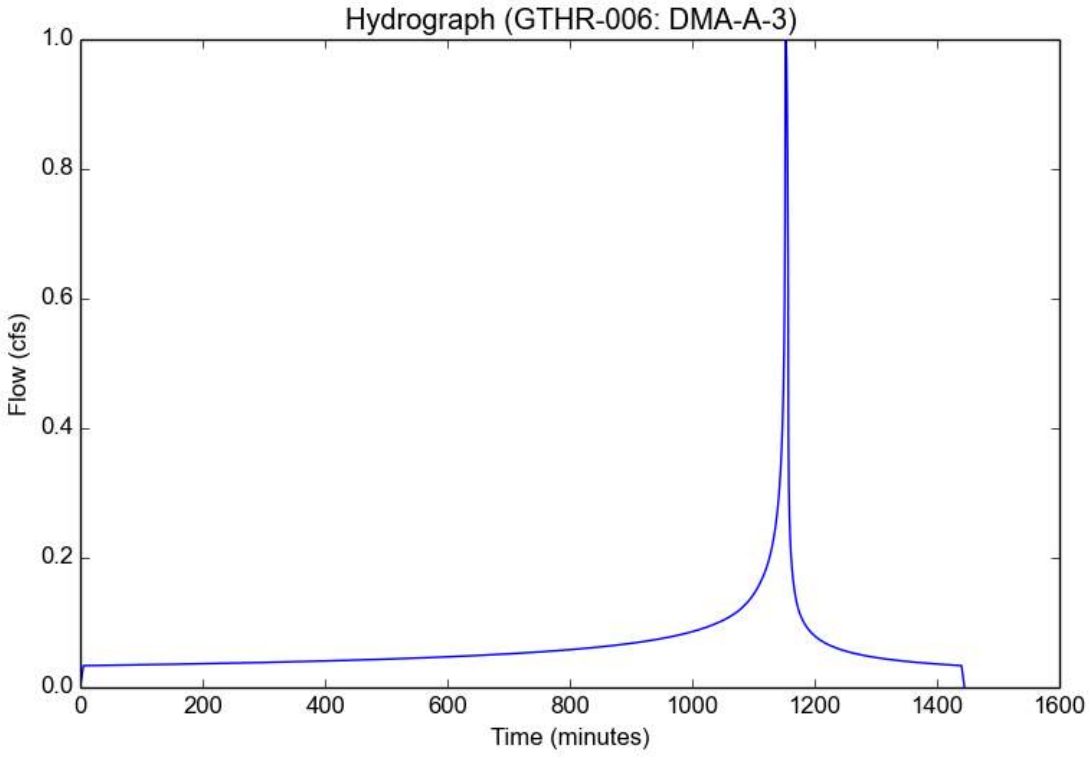
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-3/GTHR-006 - DMA-A-3_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-3
Area (ac)	0.39
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.88
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8897
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9997
Burned Peak Flow Rate (cfs)	0.9997
24-Hr Clear Runoff Volume (ac-ft)	0.1268
24-Hr Clear Runoff Volume (cu-ft)	5524.79



Peak Flow Hydrologic Analysis

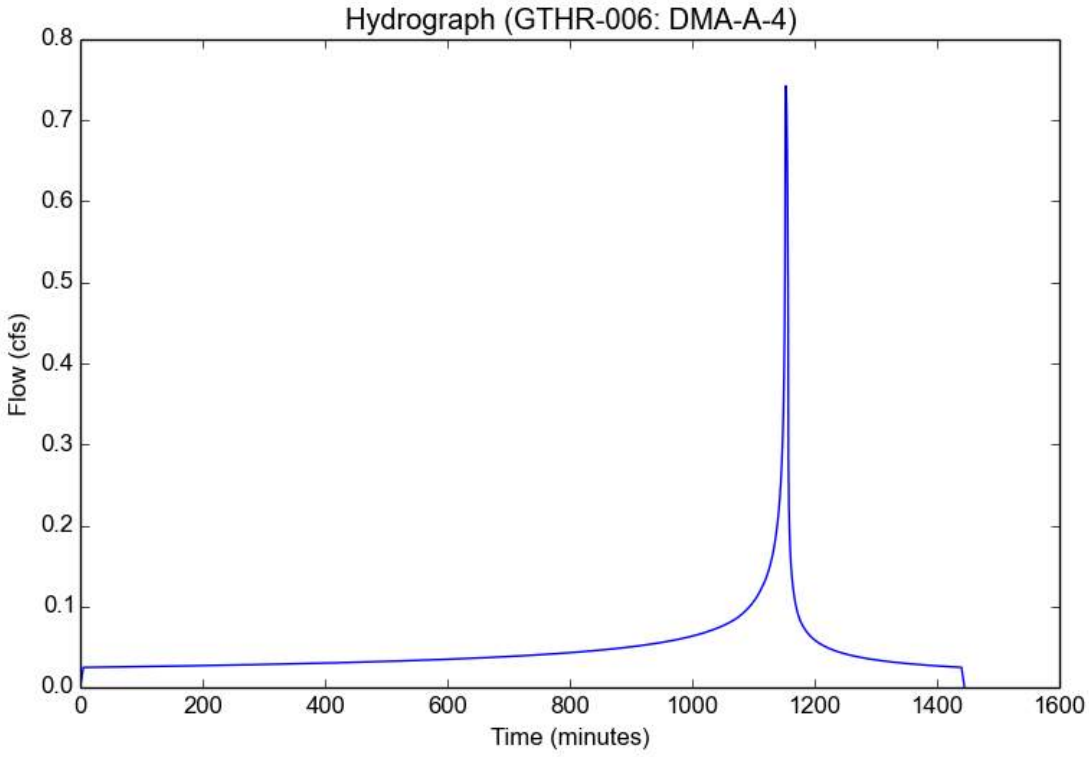
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-4/GTHR-006 - DMA-A-4_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-4
Area (ac)	0.29
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.87
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7426
Burned Peak Flow Rate (cfs)	0.7426
24-Hr Clear Runoff Volume (ac-ft)	0.0935
24-Hr Clear Runoff Volume (cu-ft)	4072.4144



Peak Flow Hydrologic Analysis

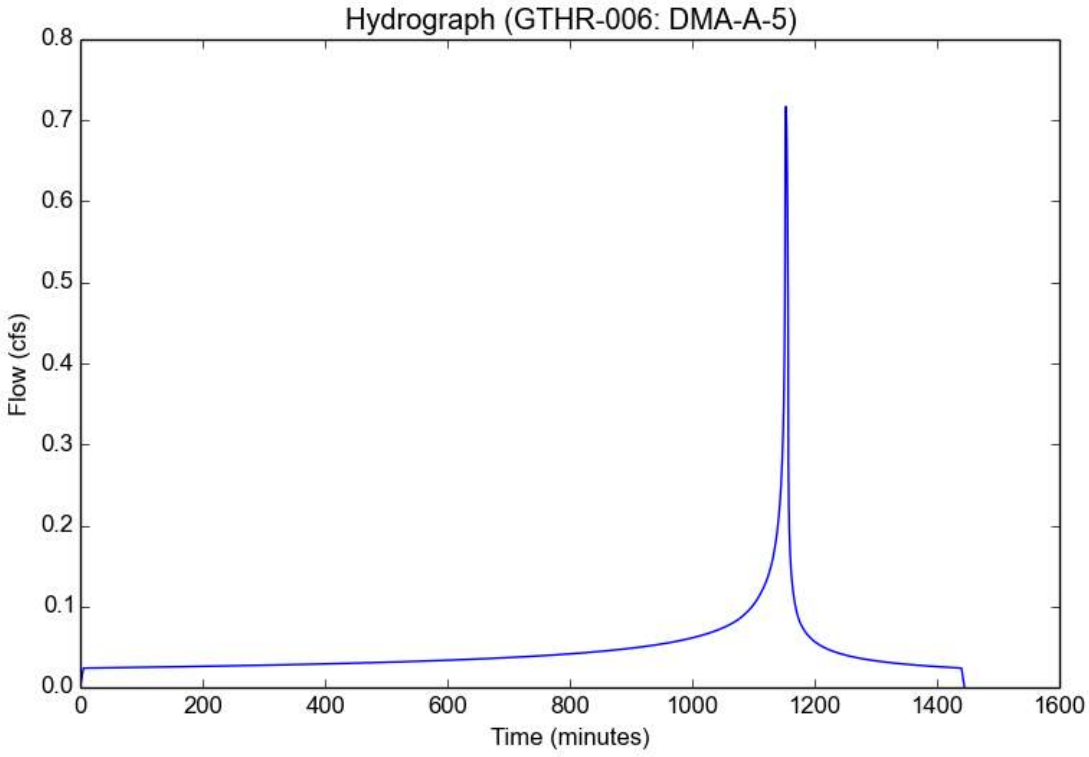
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-5/GTHR-006 - DMA-A-5_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-5
Area (ac)	0.28
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.011
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.87
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.717
Burned Peak Flow Rate (cfs)	0.717
24-Hr Clear Runoff Volume (ac-ft)	0.0903
24-Hr Clear Runoff Volume (cu-ft)	3931.9863



Peak Flow Hydrologic Analysis

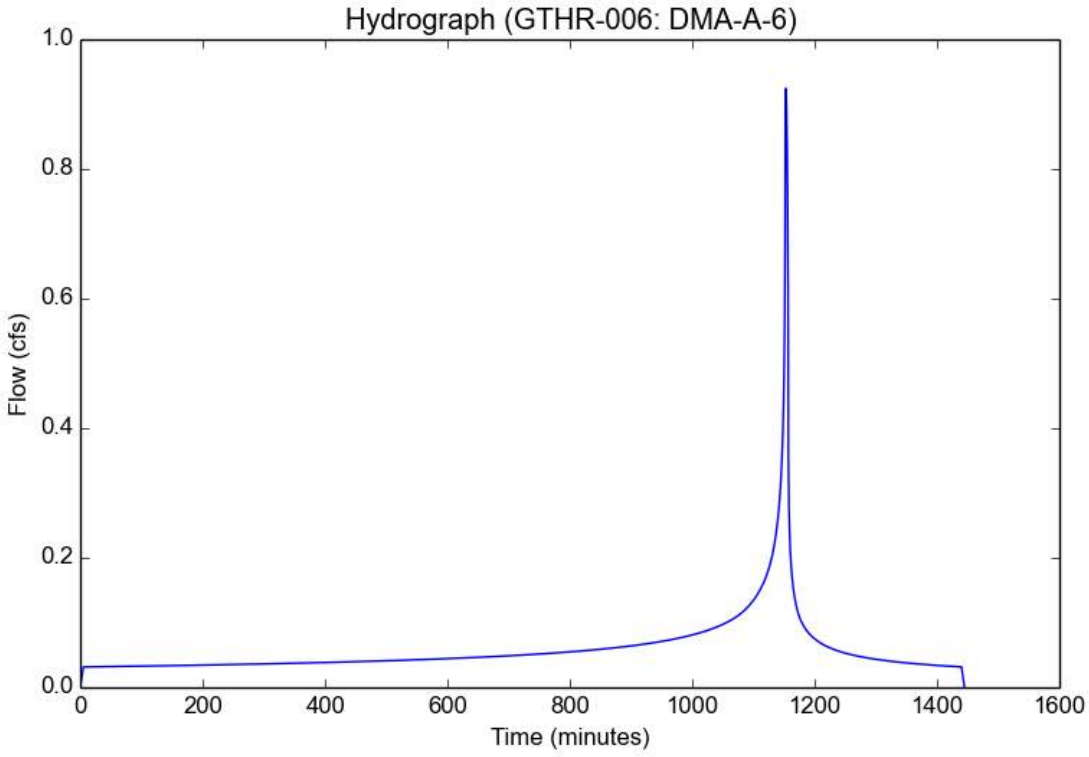
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-6/GTHR-006 - DMA-A-6_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-6
Area (ac)	0.36
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8914
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9246
Burned Peak Flow Rate (cfs)	0.9246
24-Hr Clear Runoff Volume (ac-ft)	0.1191
24-Hr Clear Runoff Volume (cu-ft)	5188.5963



Peak Flow Hydrologic Analysis

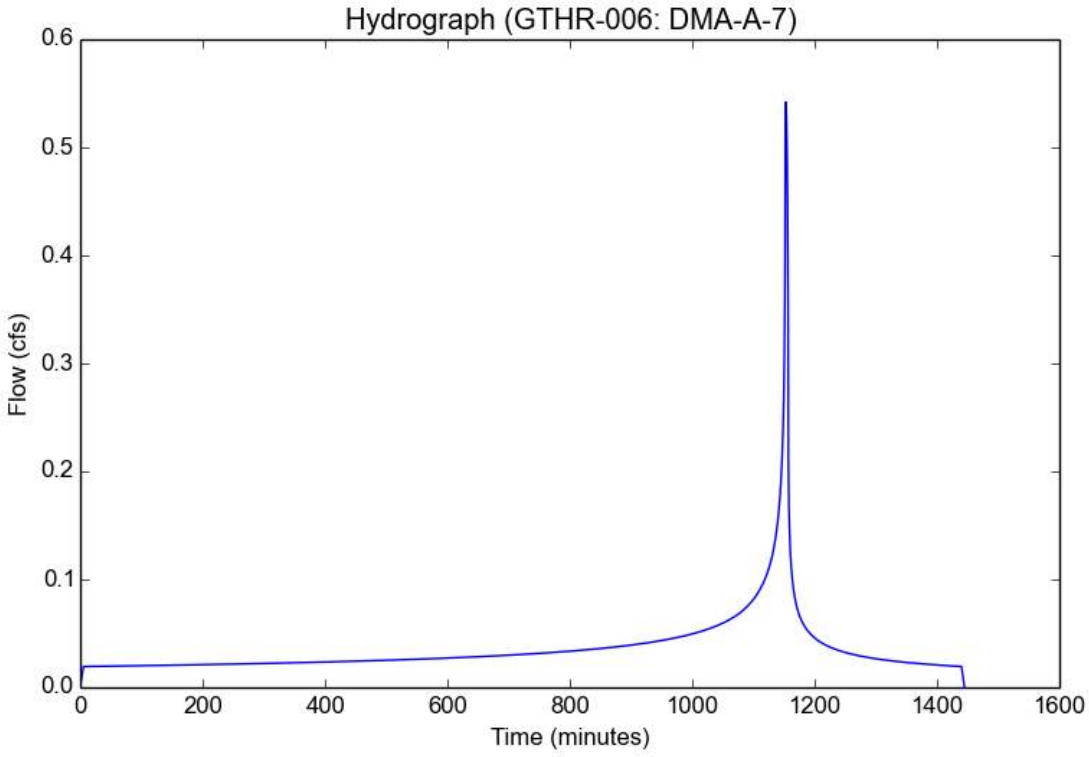
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-7/GTHR-006 - DMA-A-7_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-7
Area (ac)	0.21
Flow Path Length (ft)	113.0
Flow Path Slope (vft/hft)	0.0107
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.95
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8957
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.5419
Burned Peak Flow Rate (cfs)	0.5419
24-Hr Clear Runoff Volume (ac-ft)	0.0725
24-Hr Clear Runoff Volume (cu-ft)	3156.1669



Peak Flow Hydrologic Analysis

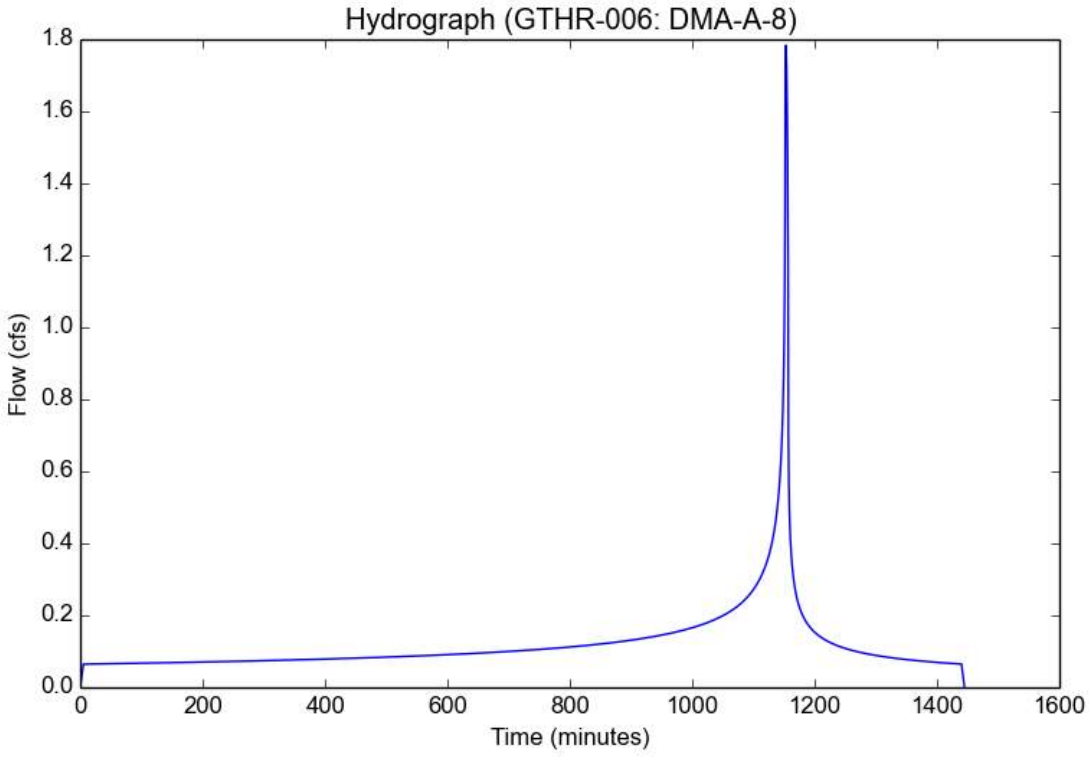
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-8/GTHR-006 - DMA-A-8_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-8
Area (ac)	0.69
Flow Path Length (ft)	132.0
Flow Path Slope (vft/hft)	0.0068
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.97
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8974
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.784
Burned Peak Flow Rate (cfs)	1.784
24-Hr Clear Runoff Volume (ac-ft)	0.242
24-Hr Clear Runoff Volume (cu-ft)	10540.4439



Peak Flow Hydrologic Analysis

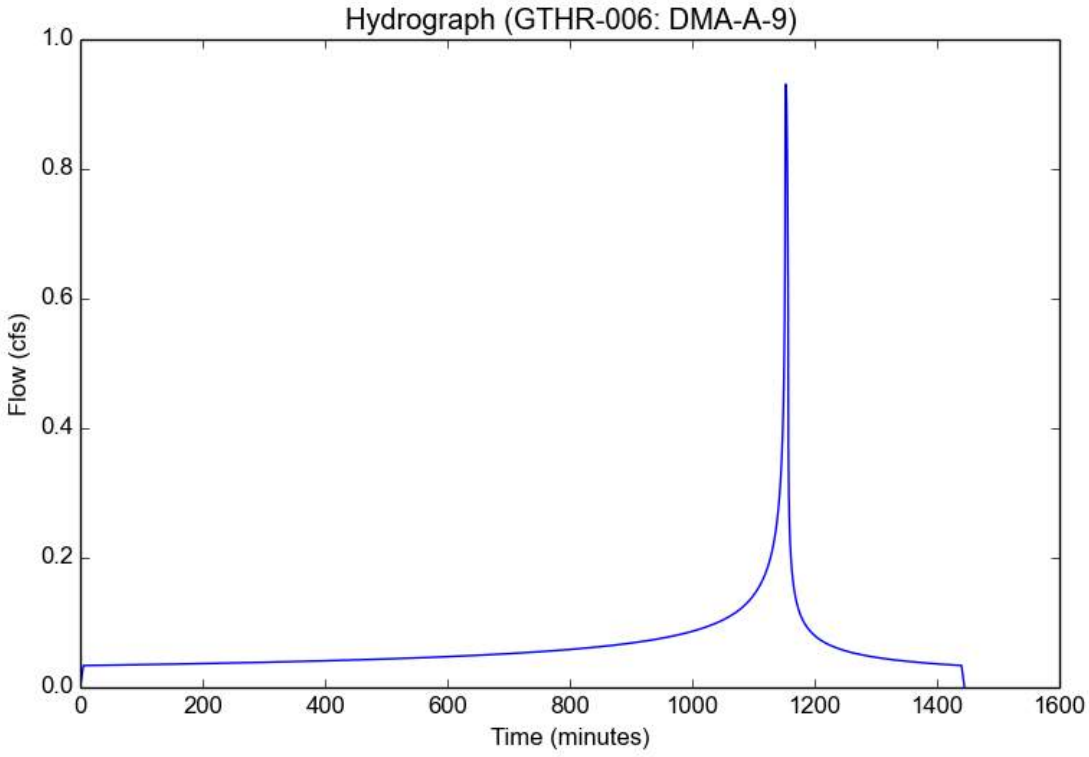
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-9/GTHR-006 - DMA-A-9_25-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-9
Area (ac)	0.36
Flow Path Length (ft)	0.92
Flow Path Slope (vft/hft)	0.0076
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.97
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.8974
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9308
Burned Peak Flow Rate (cfs)	0.9308
24-Hr Clear Runoff Volume (ac-ft)	0.1262
24-Hr Clear Runoff Volume (cu-ft)	5499.3621



Peak Flow Hydrologic Analysis

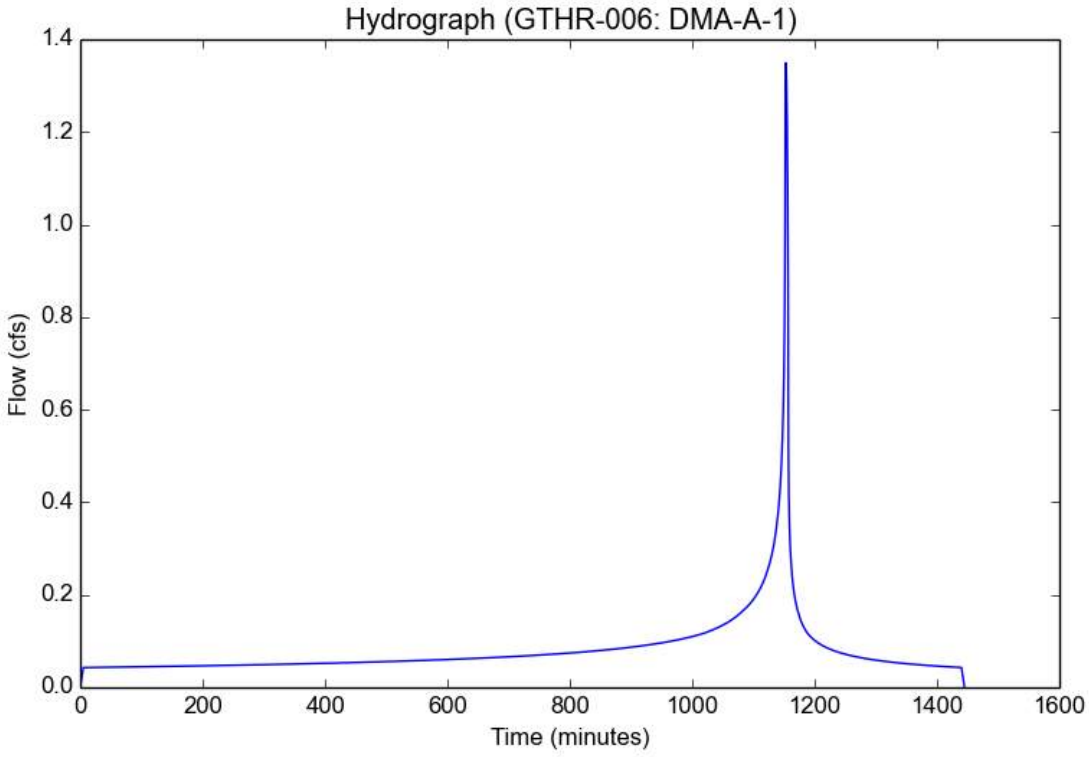
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-1/GTHR-006 - DMA-A-1_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-1
Area (ac)	0.41
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.83
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8939
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.3494
Burned Peak Flow Rate (cfs)	1.3494
24-Hr Clear Runoff Volume (ac-ft)	0.164
24-Hr Clear Runoff Volume (cu-ft)	7145.3412



Peak Flow Hydrologic Analysis

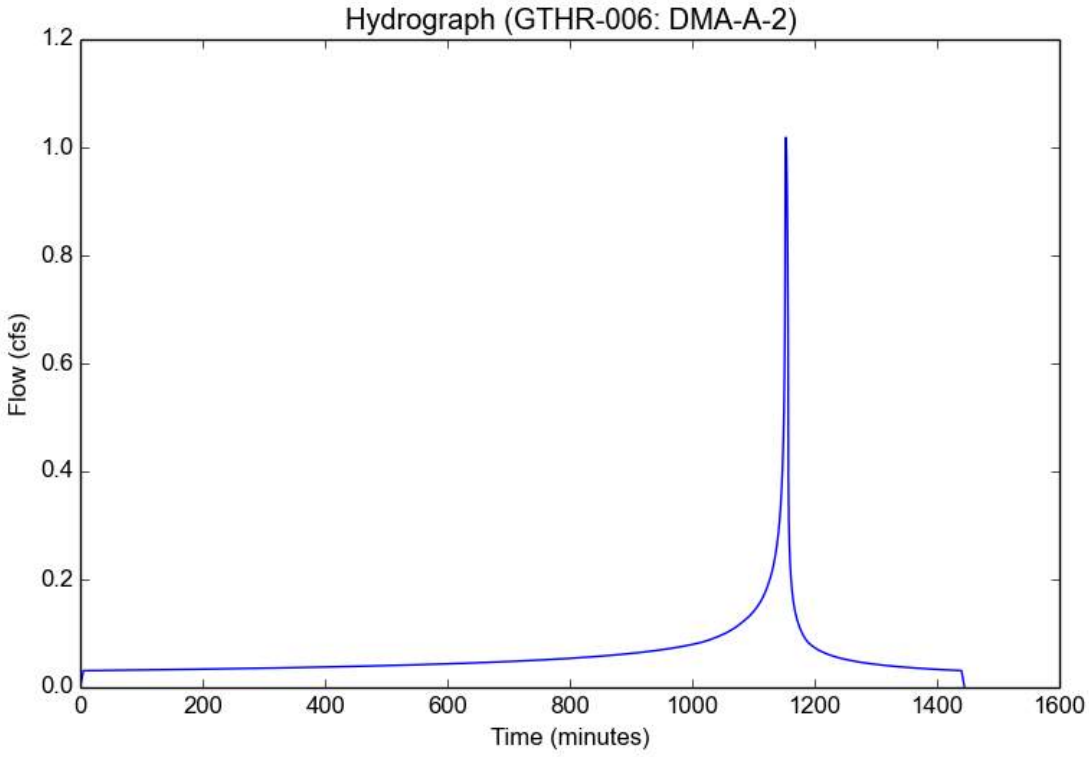
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-2/GTHR-006 - DMA-A-2_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-2
Area (ac)	0.31
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.79
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8925
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.0187
Burned Peak Flow Rate (cfs)	1.0187
24-Hr Clear Runoff Volume (ac-ft)	0.1197
24-Hr Clear Runoff Volume (cu-ft)	5215.3799



Peak Flow Hydrologic Analysis

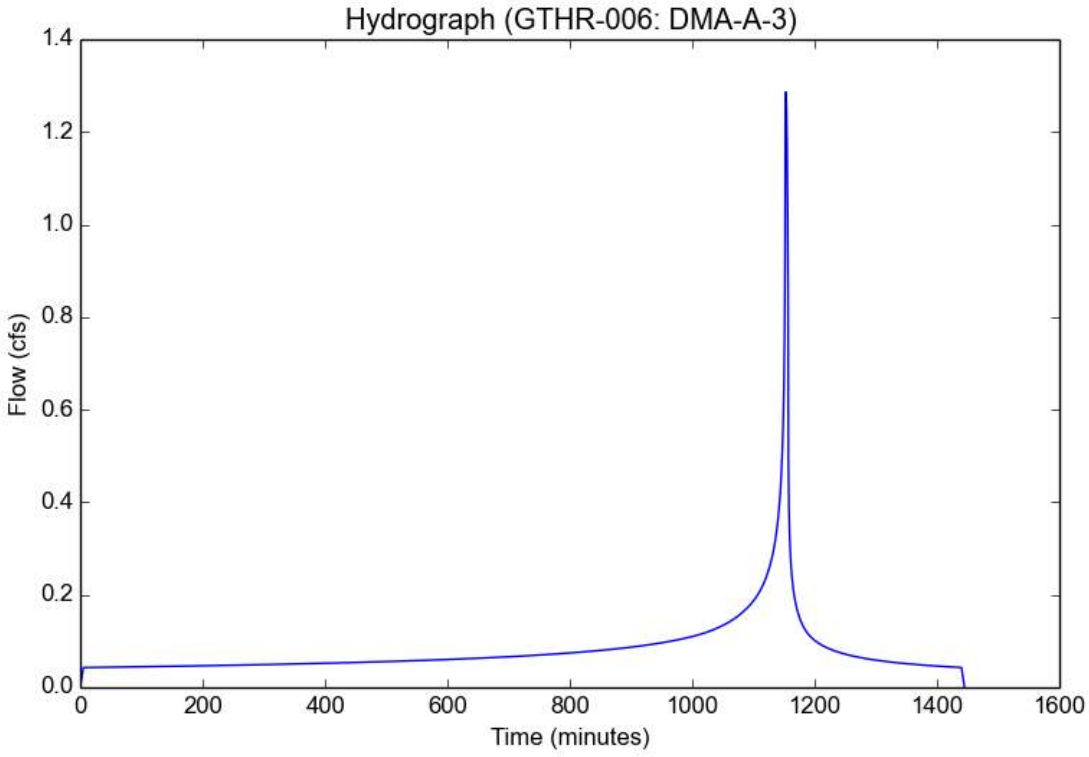
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-3/GTHR-006 - DMA-A-3_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-3
Area (ac)	0.39
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.88
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8957
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.2862
Burned Peak Flow Rate (cfs)	1.2862
24-Hr Clear Runoff Volume (ac-ft)	0.1628
24-Hr Clear Runoff Volume (cu-ft)	7091.1674



Peak Flow Hydrologic Analysis

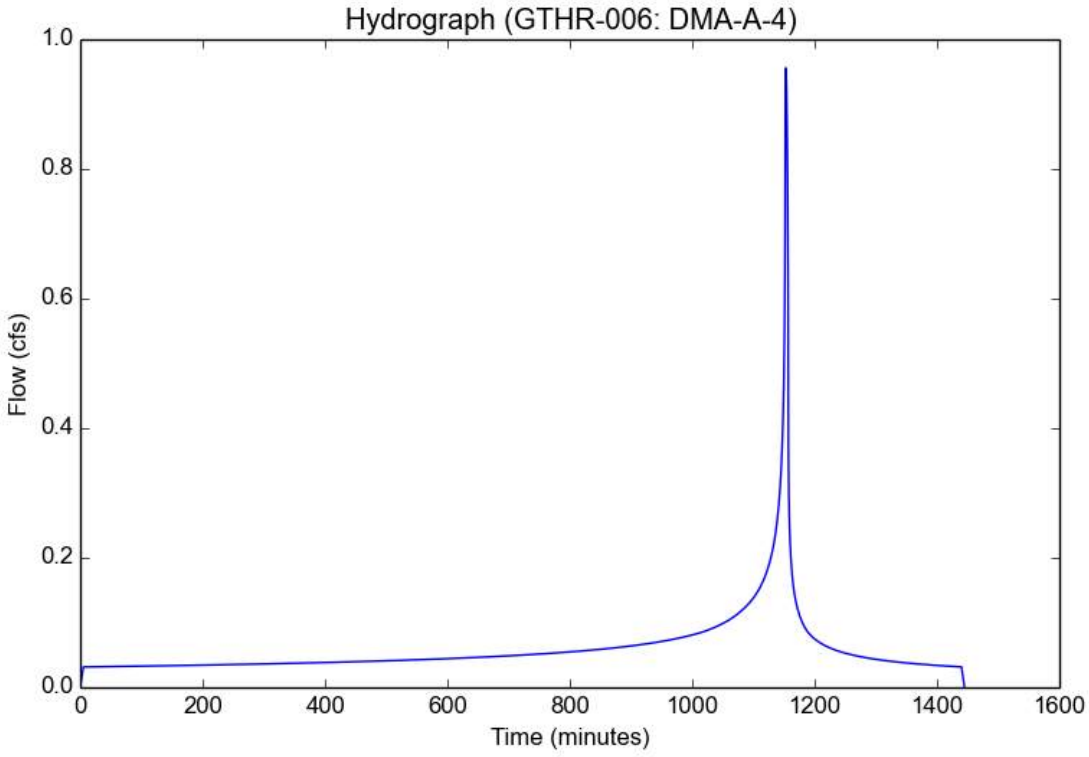
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-4/GTHR-006 - DMA-A-4_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-4
Area (ac)	0.29
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.87
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8954
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.956
Burned Peak Flow Rate (cfs)	0.956
24-Hr Clear Runoff Volume (ac-ft)	0.12
24-Hr Clear Runoff Volume (cu-ft)	5229.1399



Peak Flow Hydrologic Analysis

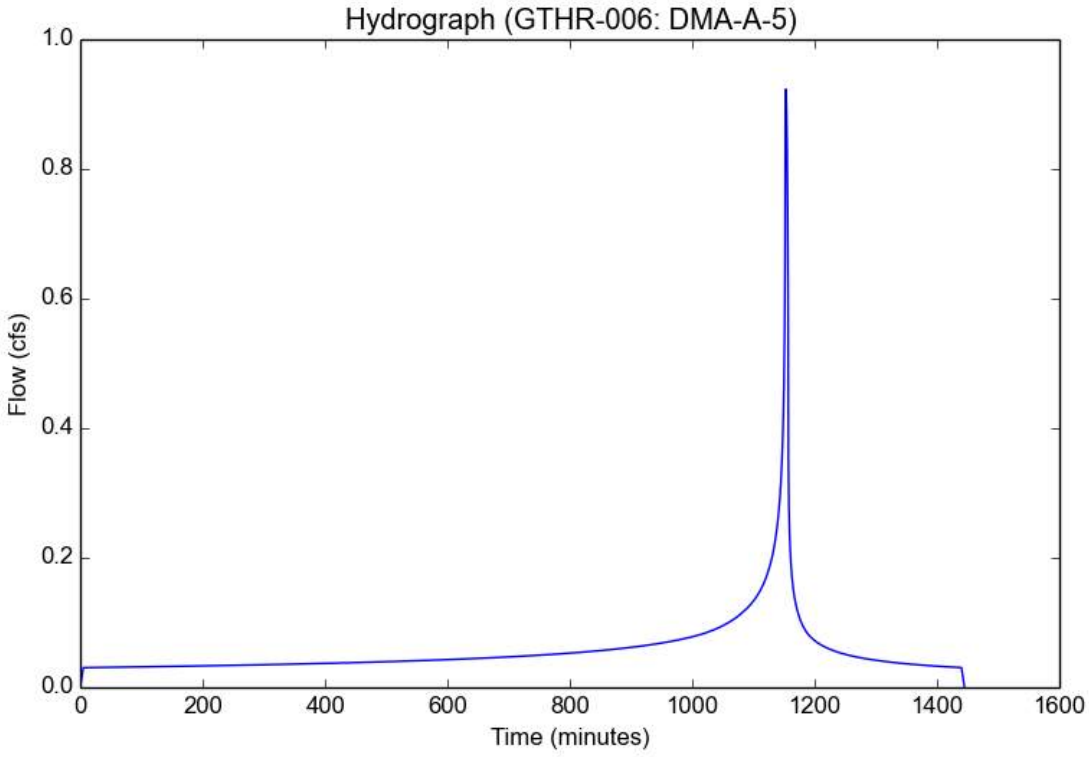
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-5/GTHR-006 - DMA-A-5_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-5
Area (ac)	0.28
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.011
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.87
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8954
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.923
Burned Peak Flow Rate (cfs)	0.923
24-Hr Clear Runoff Volume (ac-ft)	0.1159
24-Hr Clear Runoff Volume (cu-ft)	5048.8247



Peak Flow Hydrologic Analysis

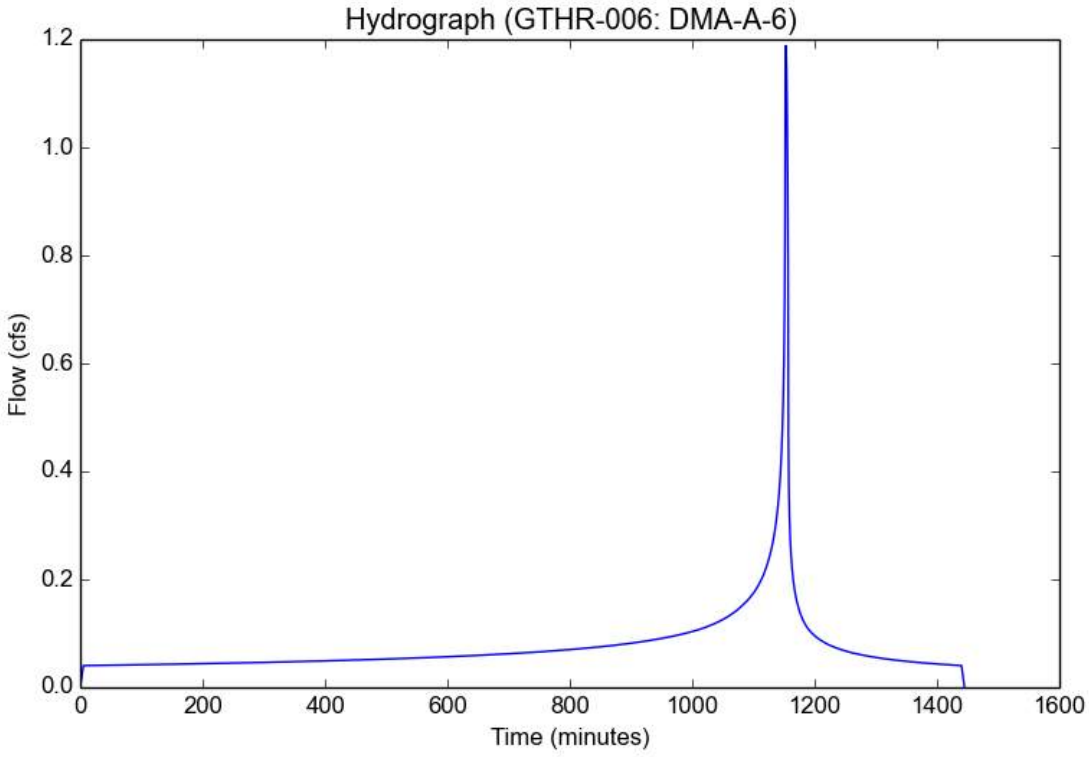
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-6/GTHR-006 - DMA-A-6_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-6
Area (ac)	0.36
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8964
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.1882
Burned Peak Flow Rate (cfs)	1.1882
24-Hr Clear Runoff Volume (ac-ft)	0.1528
24-Hr Clear Runoff Volume (cu-ft)	6654.3869



Peak Flow Hydrologic Analysis

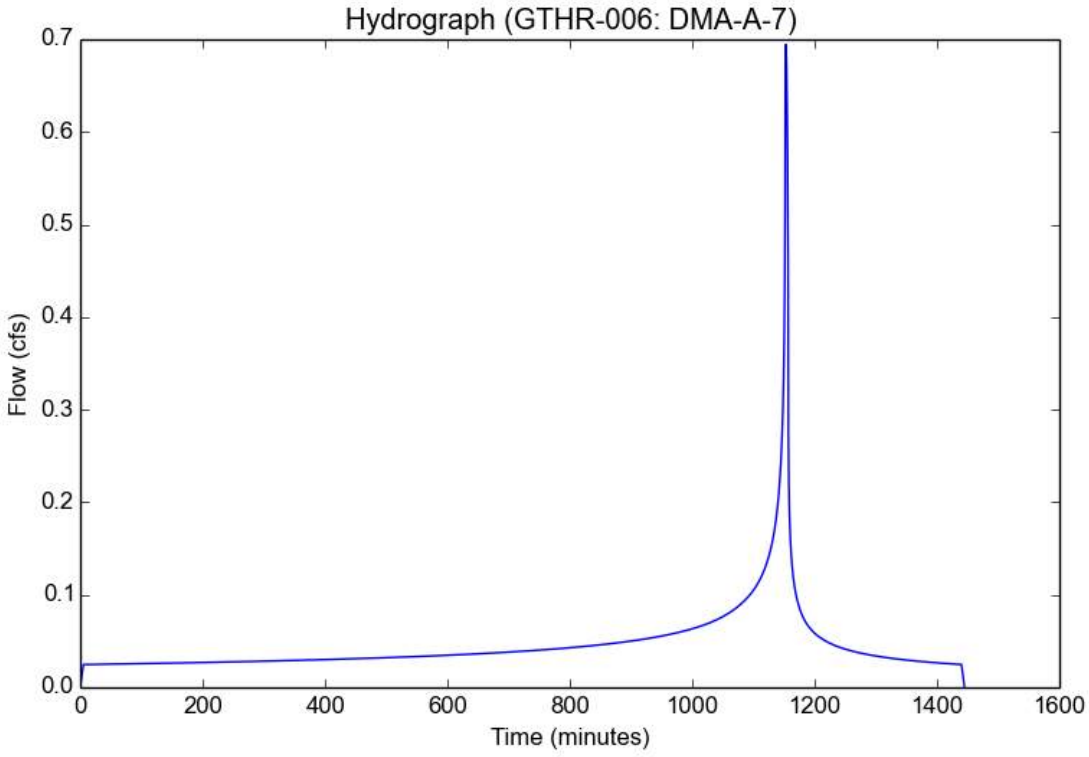
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-7/GTHR-006 - DMA-A-7_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-7
Area (ac)	0.21
Flow Path Length (ft)	113.0
Flow Path Slope (vft/hft)	0.0107
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.95
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8982
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.6945
Burned Peak Flow Rate (cfs)	0.6945
24-Hr Clear Runoff Volume (ac-ft)	0.0928
24-Hr Clear Runoff Volume (cu-ft)	4040.2377



Peak Flow Hydrologic Analysis

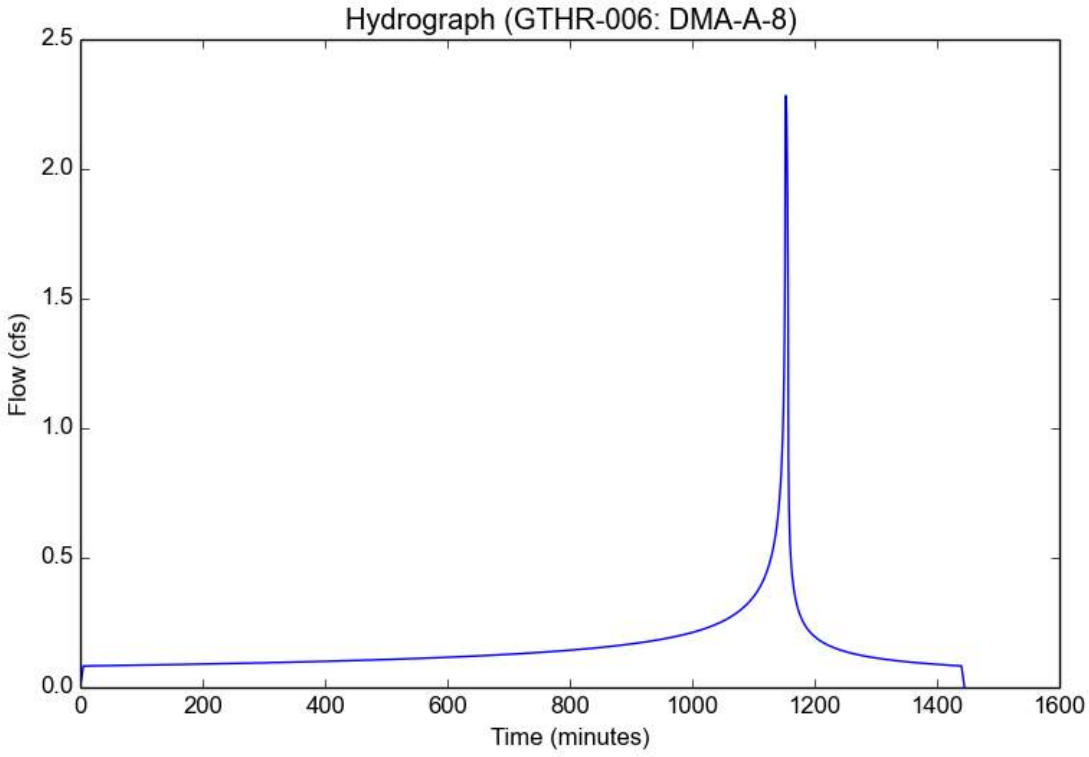
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-8/GTHR-006 - DMA-A-8_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A-8
Area (ac)	0.69
Flow Path Length (ft)	132.0
Flow Path Slope (vft/hft)	0.0068
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.97
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8989
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.2837
Burned Peak Flow Rate (cfs)	2.2837
24-Hr Clear Runoff Volume (ac-ft)	0.3095
24-Hr Clear Runoff Volume (cu-ft)	13483.3968



Peak Flow Hydrologic Analysis

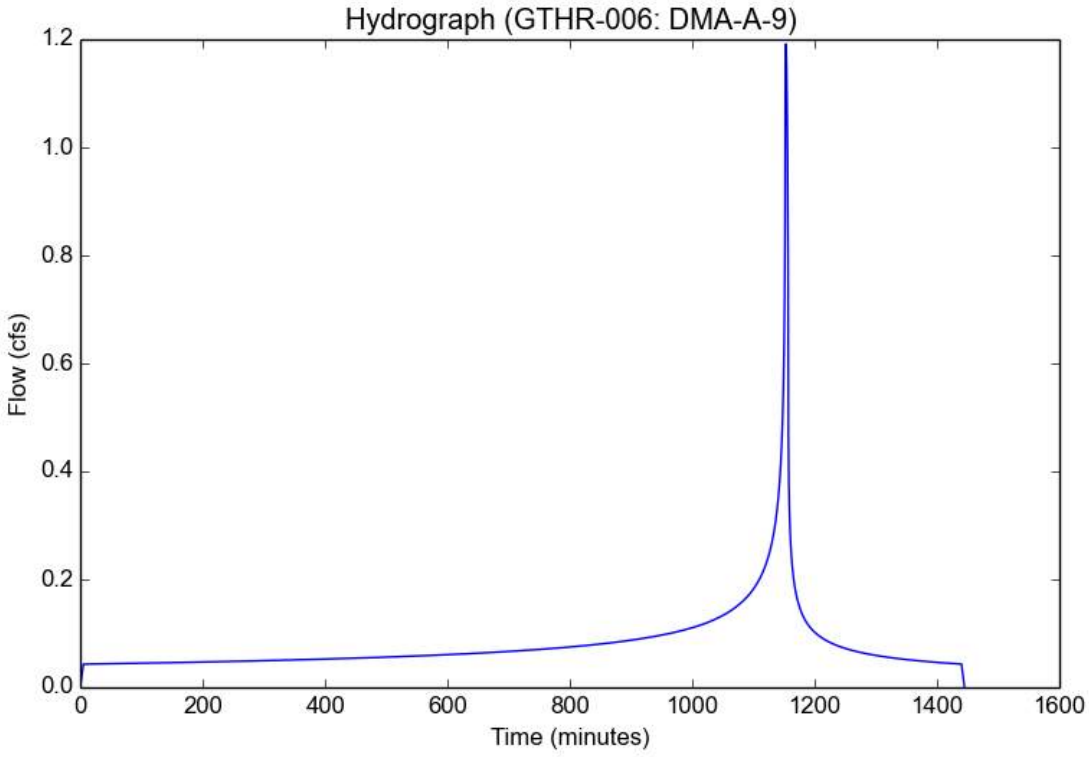
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Preliminary/Appendix C - HydroCalc/HydroCalc/DMA-A-9/GTHR-006 - DMA-A-9_100-yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

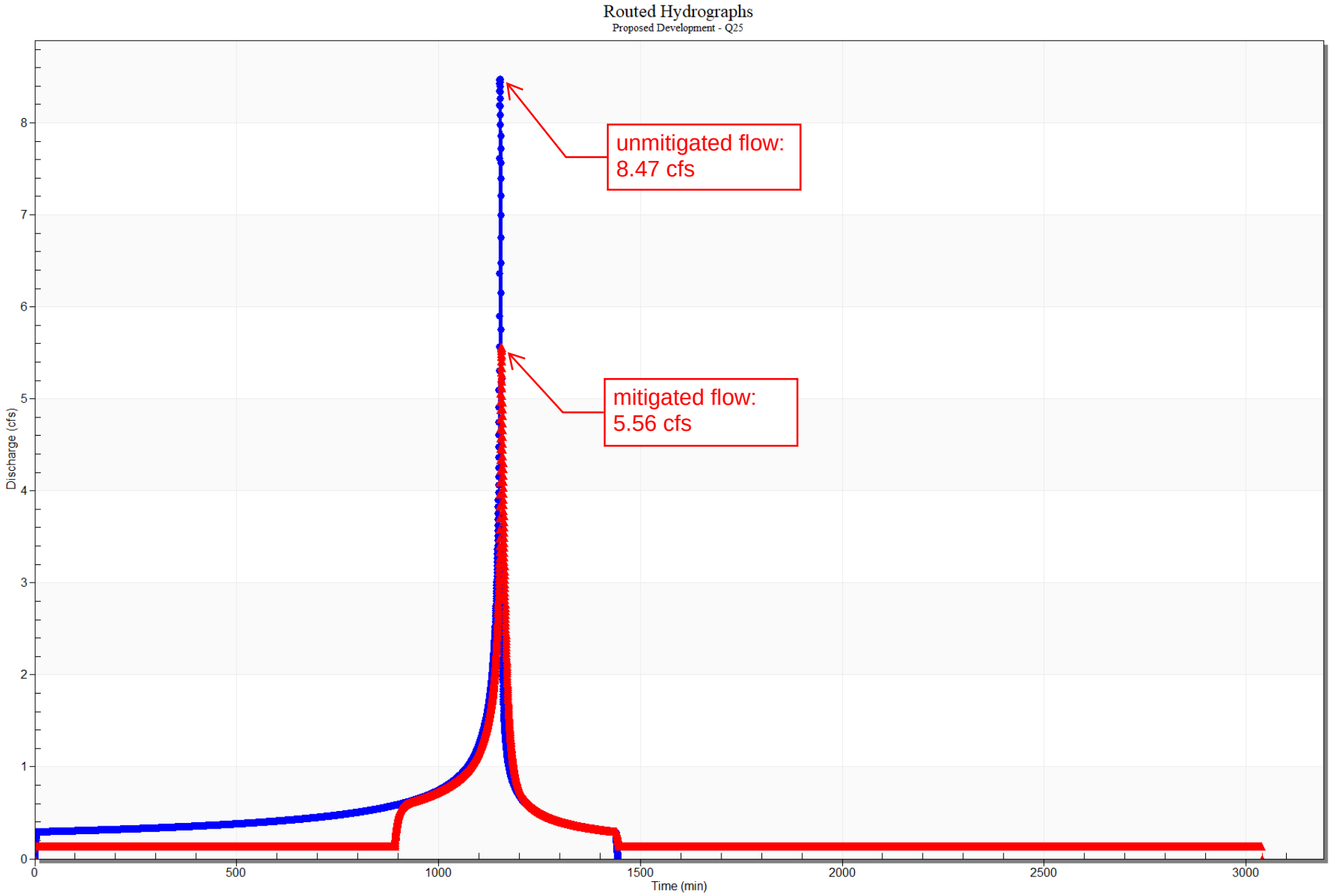
Project Name	GTHR-006
Subarea ID	DMA-A-9
Area (ac)	0.36
Flow Path Length (ft)	0.92
Flow Path Slope (vft/hft)	0.0076
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.97
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.8989
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.1915
Burned Peak Flow Rate (cfs)	1.1915
24-Hr Clear Runoff Volume (ac-ft)	0.1615
24-Hr Clear Runoff Volume (cu-ft)	7034.8157



Detention Routing Analysis


Routed Hydrographs
Proposed Development - Q25
unmitigated flow:
8.47 cfs
mitigated flow:
5.56 cfs
Discharge (cfs)
Time (min)
0
1
2
3
4
5
6
7
8
0
500
1000
1500
2000
2500
3000

Hydraulic Analysis Report

Project Data

Project Title: GTHR-006 Detention

Designer:

Project Date: Wednesday, June 8, 2022

Project Units: U.S. Customary Units

Notes:

Detention Basin Analysis: Q25 Routing Analysis

Notes:

Storage Input Parameters

Storage Capacity: Known volume

Elevation ft	Volume acre-ft
0.00	0.00
1.00	0.04
2.00	0.08
3.00	0.11
4.00	0.15
5.00	0.19
6.00	0.23
7.00	0.26
8.00	0.30
8.50	0.35

Discharge Input Parameters

Known Discharge: Known Discharge 1

Elevation ft	Discharge cfs
0.00	0.14
1.00	0.14
2.00	0.14
3.00	0.14
4.00	0.14
5.00	0.14
6.00	0.14
7.00	0.14
8.00	0.14
8.50	0.14

Riser: Riser 2

Rectangular Opening

Opening Width: 6.0000 ft

Opening Height: 0.3330 ft

Weir Coefficient: 3.3300

Orifice Coefficient: 0.6000

Height above Base Elev to Bottom of Opening: 8.0000 ft

Base Elevation: 0.0000 ft

Storage & Discharge Input Parameters

Elevation - Storage - Discharge

Elevation ft	Storage acre-ft	Discharge cfs
0.00	0.00	0.14
1.00	0.04	0.14
2.00	0.08	0.14
3.00	0.11	0.14
4.00	0.15	0.14
5.00	0.19	0.14
6.00	0.23	0.14
7.00	0.26	0.14
8.00	0.30	0.14
8.50	0.35	5.69

0.14 CFS TREATMENT DISCHARGE PER WETLANDMOD-6-24 MODEL AT A DESIGN RATE OF 12IN/HR, REFER TO MANUFACTURER SPEC FOR ADDITIONAL INFORMATION

Detention Basin Input Parameters

Inflow Hydrograph

Peak Inflow Discharge: 8.474 cfs, Time to Peak: 1153.00 (min), Total Inflow Volume: 47516.51 ft^3

Time (min)	Discharge cfs
0.00	0.00
0.20	0.01
0.40	0.02
0.60	0.03
0.80	0.05
1.00	0.06
1.20	0.07
1.40	0.08
1.60	0.09
1.80	0.10
2.00	0.12
2.20	0.13
2.40	0.14
2.60	0.15
2.80	0.16
3.00	0.17
3.20	0.18
3.40	0.20
3.60	0.21
3.80	0.22
4.00	0.23
4.20	0.24
4.40	0.25
4.60	0.27
4.80	0.28
5.00	0.29
5.20	0.29
5.40	0.29
5.60	0.29
5.80	0.29
6.00	0.29
6.20	0.29
6.40	0.29
6.60	0.29
6.80	0.29
7.00	0.29
7.20	0.29
7.40	0.29
7.60	0.29
7.80	0.29
8.00	0.29
8.20	0.29
8.40	0.29
8.60	0.29
8.80	0.29

9.00	0.29
9.20	0.29
9.40	0.29
9.60	0.29
9.80	0.29
10.00	0.29
10.20	0.29
10.40	0.29
10.60	0.29
10.80	0.29
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11.40	0.29
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11.80	0.29
12.00	0.29
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14.00	0.29
14.20	0.29
14.40	0.29
14.60	0.29
14.80	0.29
15.00	0.29
15.20	0.29
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15.60	0.29
15.80	0.29
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16.80	0.29
17.00	0.29
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18.20	0.29
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18.80	0.29
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20.00	0.29
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20.80	0.29
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21.80	0.29
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1345.00	0.35
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1345.80	0.35
1346.00	0.35
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1346.80	0.35
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1347.60	0.35
1347.80	0.35
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1348.80	0.35
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1352.00	0.34
1352.20	0.34
1352.40	0.34
1352.60	0.34
1352.80	0.34
1353.00	0.34
1353.20	0.34
1353.40	0.34
1353.60	0.34
1353.80	0.34
1354.00	0.34

1354.20	0.34
1354.40	0.34
1354.60	0.34
1354.80	0.34
1355.00	0.34
1355.20	0.34
1355.40	0.34
1355.60	0.34
1355.80	0.34
1356.00	0.34
1356.20	0.34
1356.40	0.34
1356.60	0.34
1356.80	0.34
1357.00	0.34
1357.20	0.34
1357.40	0.34
1357.60	0.34
1357.80	0.34
1358.00	0.34
1358.20	0.34
1358.40	0.34
1358.60	0.34
1358.80	0.34
1359.00	0.34
1359.20	0.34
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1359.80	0.34
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1362.80	0.34
1363.00	0.34
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1364.80	0.33
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1365.40	0.33

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1373.80	0.33
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1374.80	0.33
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1385.80	0.32
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1400.60	0.31
1400.80	0.31
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1401.80	0.31
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1402.20	0.31
1402.40	0.31
1402.60	0.31
1402.80	0.31
1403.00	0.31
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1403.40	0.31
1403.60	0.31
1403.80	0.31
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1404.20	0.31
1404.40	0.31
1404.60	0.31
1404.80	0.31
1405.00	0.31
1405.20	0.31
1405.40	0.31
1405.60	0.31
1405.80	0.31
1406.00	0.31
1406.20	0.31
1406.40	0.31
1406.60	0.31
1406.80	0.31
1407.00	0.31
1407.20	0.31
1407.40	0.31
1407.60	0.31
1407.80	0.31
1408.00	0.31
1408.20	0.31
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1409.80	0.31
1410.00	0.30
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1417.80	0.30
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1418.80	0.30
1419.00	0.30
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1420.00	0.30
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1421.00	0.30
1421.20	0.30
1421.40	0.30
1421.60	0.30
1421.80	0.30
1422.00	0.30
1422.20	0.30
1422.40	0.30

1422.60	0.30
1422.80	0.30
1423.00	0.30
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1423.60	0.30
1423.80	0.30
1424.00	0.30
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1426.00	0.30
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1426.80	0.30
1427.00	0.30
1427.20	0.30
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1427.80	0.30
1428.00	0.30
1428.20	0.30
1428.40	0.30
1428.60	0.29
1428.80	0.29
1429.00	0.29
1429.20	0.29
1429.40	0.29
1429.60	0.29
1429.80	0.29
1430.00	0.29
1430.20	0.29
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1430.60	0.29
1430.80	0.29
1431.00	0.29
1431.20	0.29
1431.40	0.29
1431.60	0.29
1431.80	0.29
1432.00	0.29
1432.20	0.29
1432.40	0.29
1432.60	0.29
1432.80	0.29
1433.00	0.29
1433.20	0.29
1433.40	0.29
1433.60	0.29
1433.80	0.29

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1434.20	0.29
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1434.80	0.29
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1435.20	0.29
1435.40	0.29
1435.60	0.29
1435.80	0.29
1436.00	0.29
1436.20	0.29
1436.40	0.29
1436.60	0.29
1436.80	0.29
1437.00	0.29
1437.20	0.29
1437.40	0.29
1437.60	0.29
1437.80	0.29
1438.00	0.29
1438.20	0.29
1438.40	0.29
1438.60	0.29
1438.80	0.29
1439.00	0.29
1439.20	0.29
1439.40	0.29
1439.60	0.29
1439.80	0.29
1440.00	0.29
1440.20	0.28
1440.40	0.27
1440.60	0.25
1440.80	0.24
1441.00	0.23
1441.20	0.22
1441.40	0.21
1441.60	0.20
1441.80	0.19
1442.00	0.17
1442.20	0.16
1442.40	0.15
1442.60	0.14
1442.80	0.13
1443.00	0.12
1443.20	0.10
1443.40	0.09
1443.60	0.08
1443.80	0.07
1444.00	0.06
1444.20	0.05
1444.40	0.03
1444.60	0.02
1444.80	0.01
1445.00	0.00

Initial Storage = 0.0000 acre-ft

Detention Basin Result Parameters

Routed Hydrograph

Peak Outflow Discharge: 5.559 cfs, Time to Peak: 1156.60 (min), Total Outflow Volume: 47516.82 ft^3

Time min	Discharge cfs	Storage acre-ft
0.00	0.00	0.000000
0.20	0.00	0.000003
0.40	0.00	0.000010
0.60	0.00	0.000019
0.80	0.14	0.000000
1.00	0.00	0.000016
1.20	0.14	0.000000
1.40	0.00	0.000022
1.60	0.14	0.000010
1.80	0.00	0.000039
2.00	0.14	0.000033
2.20	0.14	0.000030
2.40	0.14	0.000030
2.60	0.14	0.000034
2.80	0.14	0.000040
3.00	0.14	0.000050
3.20	0.14	0.000063
3.40	0.14	0.000080
3.60	0.14	0.000099
3.80	0.14	0.000122
4.00	0.14	0.000148
4.20	0.14	0.000177
4.40	0.14	0.000209
4.60	0.14	0.000244
4.80	0.14	0.000283
5.00	0.14	0.000325
5.20	0.14	0.000366
5.40	0.14	0.000408
5.60	0.14	0.000450
5.80	0.14	0.000491
6.00	0.14	0.000533
6.20	0.14	0.000575
6.40	0.14	0.000617
6.60	0.14	0.000659
6.80	0.14	0.000700
7.00	0.14	0.000742
7.20	0.14	0.000784
7.40	0.14	0.000826
7.60	0.14	0.000867
7.80	0.14	0.000909
8.00	0.14	0.000951
8.20	0.14	0.000993
8.40	0.14	0.001035
8.60	0.14	0.001077
8.80	0.14	0.001118
9.00	0.14	0.001160

9.20	0.14	0.001202
9.40	0.14	0.001244
9.60	0.14	0.001286
9.80	0.14	0.001328
10.00	0.14	0.001370
10.20	0.14	0.001412
10.40	0.14	0.001453
10.60	0.14	0.001495
10.80	0.14	0.001537
11.00	0.14	0.001579
11.20	0.14	0.001621
11.40	0.14	0.001663
11.60	0.14	0.001705
11.80	0.14	0.001747
12.00	0.14	0.001789
12.20	0.14	0.001831
12.40	0.14	0.001873
12.60	0.14	0.001915
12.80	0.14	0.001957
13.00	0.14	0.001999
13.20	0.14	0.002041
13.40	0.14	0.002083
13.60	0.14	0.002125
13.80	0.14	0.002167
14.00	0.14	0.002209
14.20	0.14	0.002251
14.40	0.14	0.002293
14.60	0.14	0.002335
14.80	0.14	0.002377
15.00	0.14	0.002419
15.20	0.14	0.002461
15.40	0.14	0.002503
15.60	0.14	0.002545
15.80	0.14	0.002587
16.00	0.14	0.002629
16.20	0.14	0.002671
16.40	0.14	0.002713
16.60	0.14	0.002755
16.80	0.14	0.002798
17.00	0.14	0.002840
17.20	0.14	0.002882
17.40	0.14	0.002924
17.60	0.14	0.002966
17.80	0.14	0.003008
18.00	0.14	0.003050
18.20	0.14	0.003093
18.40	0.14	0.003135
18.60	0.14	0.003177
18.80	0.14	0.003219
19.00	0.14	0.003261
19.20	0.14	0.003303
19.40	0.14	0.003346
19.60	0.14	0.003388
19.80	0.14	0.003430
20.00	0.14	0.003472
20.20	0.14	0.003514
20.40	0.14	0.003557

20.60	0.14	0.003599
20.80	0.14	0.003641
21.00	0.14	0.003683
21.20	0.14	0.003726
21.40	0.14	0.003768
21.60	0.14	0.003810
21.80	0.14	0.003852
22.00	0.14	0.003895
22.20	0.14	0.003937
22.40	0.14	0.003979
22.60	0.14	0.004022
22.80	0.14	0.004064
23.00	0.14	0.004106
23.20	0.14	0.004149
23.40	0.14	0.004191
23.60	0.14	0.004233
23.80	0.14	0.004276
24.00	0.14	0.004318
24.20	0.14	0.004360
24.40	0.14	0.004403
24.60	0.14	0.004445
24.80	0.14	0.004487
25.00	0.14	0.004530
25.20	0.14	0.004572
25.40	0.14	0.004614
25.60	0.14	0.004657
25.80	0.14	0.004699
26.00	0.14	0.004742
26.20	0.14	0.004784
26.40	0.14	0.004827
26.60	0.14	0.004869
26.80	0.14	0.004911
27.00	0.14	0.004954
27.20	0.14	0.004996
27.40	0.14	0.005039
27.60	0.14	0.005081
27.80	0.14	0.005124
28.00	0.14	0.005166
28.20	0.14	0.005209
28.40	0.14	0.005251
28.60	0.14	0.005294
28.80	0.14	0.005336
29.00	0.14	0.005379
29.20	0.14	0.005421
29.40	0.14	0.005464
29.60	0.14	0.005506
29.80	0.14	0.005549
30.00	0.14	0.005591
30.20	0.14	0.005634
30.40	0.14	0.005677
30.60	0.14	0.005719
30.80	0.14	0.005762
31.00	0.14	0.005804
31.20	0.14	0.005847
31.40	0.14	0.005889
31.60	0.14	0.005932
31.80	0.14	0.005975

32.00	0.14	0.006017
32.20	0.14	0.006060
32.40	0.14	0.006102
32.60	0.14	0.006145
32.80	0.14	0.006188
33.00	0.14	0.006230
33.20	0.14	0.006273
33.40	0.14	0.006316
33.60	0.14	0.006358
33.80	0.14	0.006401
34.00	0.14	0.006444
34.20	0.14	0.006486
34.40	0.14	0.006529
34.60	0.14	0.006572
34.80	0.14	0.006615
35.00	0.14	0.006657
35.20	0.14	0.006700
35.40	0.14	0.006743
35.60	0.14	0.006785
35.80	0.14	0.006828
36.00	0.14	0.006871
36.20	0.14	0.006914
36.40	0.14	0.006956
36.60	0.14	0.006999
36.80	0.14	0.007042
37.00	0.14	0.007085
37.20	0.14	0.007128
37.40	0.14	0.007170
37.60	0.14	0.007213
37.80	0.14	0.007256
38.00	0.14	0.007299
38.20	0.14	0.007342
38.40	0.14	0.007384
38.60	0.14	0.007427
38.80	0.14	0.007470
39.00	0.14	0.007513
39.20	0.14	0.007556
39.40	0.14	0.007599
39.60	0.14	0.007642
39.80	0.14	0.007684
40.00	0.14	0.007727
40.20	0.14	0.007770
40.40	0.14	0.007813
40.60	0.14	0.007856
40.80	0.14	0.007899
41.00	0.14	0.007942
41.20	0.14	0.007985
41.40	0.14	0.008028
41.60	0.14	0.008071
41.80	0.14	0.008114
42.00	0.14	0.008157
42.20	0.14	0.008199
42.40	0.14	0.008242
42.60	0.14	0.008285
42.80	0.14	0.008328
43.00	0.14	0.008371
43.20	0.14	0.008414

43.40	0.14	0.008457
43.60	0.14	0.008500
43.80	0.14	0.008543
44.00	0.14	0.008586
44.20	0.14	0.008629
44.40	0.14	0.008672
44.60	0.14	0.008716
44.80	0.14	0.008759
45.00	0.14	0.008802
45.20	0.14	0.008845
45.40	0.14	0.008888
45.60	0.14	0.008931
45.80	0.14	0.008974
46.00	0.14	0.009017
46.20	0.14	0.009060
46.40	0.14	0.009103
46.60	0.14	0.009146
46.80	0.14	0.009189
47.00	0.14	0.009233
47.20	0.14	0.009276
47.40	0.14	0.009319
47.60	0.14	0.009362
47.80	0.14	0.009405
48.00	0.14	0.009448
48.20	0.14	0.009491
48.40	0.14	0.009535
48.60	0.14	0.009578
48.80	0.14	0.009621
49.00	0.14	0.009664
49.20	0.14	0.009707
49.40	0.14	0.009751
49.60	0.14	0.009794
49.80	0.14	0.009837
50.00	0.14	0.009880
50.20	0.14	0.009923
50.40	0.14	0.009967
50.60	0.14	0.010010
50.80	0.14	0.010053
51.00	0.14	0.010096
51.20	0.14	0.010140
51.40	0.14	0.010183
51.60	0.14	0.010226
51.80	0.14	0.010270
52.00	0.14	0.010313
52.20	0.14	0.010356
52.40	0.14	0.010399
52.60	0.14	0.010443
52.80	0.14	0.010486
53.00	0.14	0.010529
53.20	0.14	0.010573
53.40	0.14	0.010616
53.60	0.14	0.010659
53.80	0.14	0.010703
54.00	0.14	0.010746
54.20	0.14	0.010790
54.40	0.14	0.010833
54.60	0.14	0.010876

54.80	0.14	0.010920
55.00	0.14	0.010963
55.20	0.14	0.011007
55.40	0.14	0.011050
55.60	0.14	0.011093
55.80	0.14	0.011137
56.00	0.14	0.011180
56.20	0.14	0.011224
56.40	0.14	0.011267
56.60	0.14	0.011311
56.80	0.14	0.011354
57.00	0.14	0.011398
57.20	0.14	0.011441
57.40	0.14	0.011484
57.60	0.14	0.011528
57.80	0.14	0.011571
58.00	0.14	0.011615
58.20	0.14	0.011658
58.40	0.14	0.011702
58.60	0.14	0.011745
58.80	0.14	0.011789
59.00	0.14	0.011833
59.20	0.14	0.011876
59.40	0.14	0.011920
59.60	0.14	0.011963
59.80	0.14	0.012007
60.00	0.14	0.012050
60.20	0.14	0.012094
60.40	0.14	0.012137
60.60	0.14	0.012181
60.80	0.14	0.012225
61.00	0.14	0.012268
61.20	0.14	0.012312
61.40	0.14	0.012356
61.60	0.14	0.012399
61.80	0.14	0.012443
62.00	0.14	0.012486
62.20	0.14	0.012530
62.40	0.14	0.012574
62.60	0.14	0.012617
62.80	0.14	0.012661
63.00	0.14	0.012705
63.20	0.14	0.012749
63.40	0.14	0.012792
63.60	0.14	0.012836
63.80	0.14	0.012880
64.00	0.14	0.012923
64.20	0.14	0.012967
64.40	0.14	0.013011
64.60	0.14	0.013055
64.80	0.14	0.013098
65.00	0.14	0.013142
65.20	0.14	0.013186
65.40	0.14	0.013230
65.60	0.14	0.013273
65.80	0.14	0.013317
66.00	0.14	0.013361

66.20	0.14	0.013405
66.40	0.14	0.013448
66.60	0.14	0.013492
66.80	0.14	0.013536
67.00	0.14	0.013580
67.20	0.14	0.013624
67.40	0.14	0.013668
67.60	0.14	0.013711
67.80	0.14	0.013755
68.00	0.14	0.013799
68.20	0.14	0.013843
68.40	0.14	0.013887
68.60	0.14	0.013931
68.80	0.14	0.013975
69.00	0.14	0.014018
69.20	0.14	0.014062
69.40	0.14	0.014106
69.60	0.14	0.014150
69.80	0.14	0.014194
70.00	0.14	0.014238
70.20	0.14	0.014282
70.40	0.14	0.014326
70.60	0.14	0.014370
70.80	0.14	0.014414
71.00	0.14	0.014458
71.20	0.14	0.014502
71.40	0.14	0.014546
71.60	0.14	0.014590
71.80	0.14	0.014634
72.00	0.14	0.014678
72.20	0.14	0.014722
72.40	0.14	0.014766
72.60	0.14	0.014810
72.80	0.14	0.014854
73.00	0.14	0.014898
73.20	0.14	0.014942
73.40	0.14	0.014986
73.60	0.14	0.015030
73.80	0.14	0.015074
74.00	0.14	0.015118
74.20	0.14	0.015162
74.40	0.14	0.015206
74.60	0.14	0.015250
74.80	0.14	0.015294
75.00	0.14	0.015338
75.20	0.14	0.015383
75.40	0.14	0.015427
75.60	0.14	0.015471
75.80	0.14	0.015515
76.00	0.14	0.015559
76.20	0.14	0.015603
76.40	0.14	0.015647
76.60	0.14	0.015692
76.80	0.14	0.015736
77.00	0.14	0.015780
77.20	0.14	0.015824
77.40	0.14	0.015868

77.60	0.14	0.015912
77.80	0.14	0.015957
78.00	0.14	0.016001
78.20	0.14	0.016045
78.40	0.14	0.016089
78.60	0.14	0.016134
78.80	0.14	0.016178
79.00	0.14	0.016222
79.20	0.14	0.016266
79.40	0.14	0.016311
79.60	0.14	0.016355
79.80	0.14	0.016399
80.00	0.14	0.016443
80.20	0.14	0.016488
80.40	0.14	0.016532
80.60	0.14	0.016576
80.80	0.14	0.016621
81.00	0.14	0.016665
81.20	0.14	0.016709
81.40	0.14	0.016754
81.60	0.14	0.016798
81.80	0.14	0.016842
82.00	0.14	0.016887
82.20	0.14	0.016931
82.40	0.14	0.016975
82.60	0.14	0.017020
82.80	0.14	0.017064
83.00	0.14	0.017108
83.20	0.14	0.017153
83.40	0.14	0.017197
83.60	0.14	0.017242
83.80	0.14	0.017286
84.00	0.14	0.017331
84.20	0.14	0.017375
84.40	0.14	0.017419
84.60	0.14	0.017464
84.80	0.14	0.017508
85.00	0.14	0.017553
85.20	0.14	0.017597
85.40	0.14	0.017642
85.60	0.14	0.017686
85.80	0.14	0.017731
86.00	0.14	0.017775
86.20	0.14	0.017820
86.40	0.14	0.017864
86.60	0.14	0.017909
86.80	0.14	0.017953
87.00	0.14	0.017998
87.20	0.14	0.018042
87.40	0.14	0.018087
87.60	0.14	0.018131
87.80	0.14	0.018176
88.00	0.14	0.018221
88.20	0.14	0.018265
88.40	0.14	0.018310
88.60	0.14	0.018354
88.80	0.14	0.018399

89.00	0.14	0.018444
89.20	0.14	0.018488
89.40	0.14	0.018533
89.60	0.14	0.018577
89.80	0.14	0.018622
90.00	0.14	0.018667
90.20	0.14	0.018711
90.40	0.14	0.018756
90.60	0.14	0.018801
90.80	0.14	0.018845
91.00	0.14	0.018890
91.20	0.14	0.018935
91.40	0.14	0.018979
91.60	0.14	0.019024
91.80	0.14	0.019069
92.00	0.14	0.019114
92.20	0.14	0.019158
92.40	0.14	0.019203
92.60	0.14	0.019248
92.80	0.14	0.019292
93.00	0.14	0.019337
93.20	0.14	0.019382
93.40	0.14	0.019427
93.60	0.14	0.019472
93.80	0.14	0.019516
94.00	0.14	0.019561
94.20	0.14	0.019606
94.40	0.14	0.019651
94.60	0.14	0.019696
94.80	0.14	0.019740
95.00	0.14	0.019785
95.20	0.14	0.019830
95.40	0.14	0.019875
95.60	0.14	0.019920
95.80	0.14	0.019965
96.00	0.14	0.020009
96.20	0.14	0.020054
96.40	0.14	0.020099
96.60	0.14	0.020144
96.80	0.14	0.020189
97.00	0.14	0.020234
97.20	0.14	0.020279
97.40	0.14	0.020324
97.60	0.14	0.020369
97.80	0.14	0.020413
98.00	0.14	0.020458
98.20	0.14	0.020503
98.40	0.14	0.020548
98.60	0.14	0.020593
98.80	0.14	0.020638
99.00	0.14	0.020683
99.20	0.14	0.020728
99.40	0.14	0.020773
99.60	0.14	0.020818
99.80	0.14	0.020863
100.00	0.14	0.020908
100.20	0.14	0.020953

100.40	0.14	0.020998
100.60	0.14	0.021043
100.80	0.14	0.021088
101.00	0.14	0.021133
101.20	0.14	0.021178
101.40	0.14	0.021223
101.60	0.14	0.021269
101.80	0.14	0.021314
102.00	0.14	0.021359
102.20	0.14	0.021404
102.40	0.14	0.021449
102.60	0.14	0.021494
102.80	0.14	0.021539
103.00	0.14	0.021584
103.20	0.14	0.021629
103.40	0.14	0.021674
103.60	0.14	0.021720
103.80	0.14	0.021765
104.00	0.14	0.021810
104.20	0.14	0.021855
104.40	0.14	0.021900
104.60	0.14	0.021945
104.80	0.14	0.021991
105.00	0.14	0.022036
105.20	0.14	0.022081
105.40	0.14	0.022126
105.60	0.14	0.022171
105.80	0.14	0.022217
106.00	0.14	0.022262
106.20	0.14	0.022307
106.40	0.14	0.022352
106.60	0.14	0.022398
106.80	0.14	0.022443
107.00	0.14	0.022488
107.20	0.14	0.022533
107.40	0.14	0.022579
107.60	0.14	0.022624
107.80	0.14	0.022669
108.00	0.14	0.022715
108.20	0.14	0.022760
108.40	0.14	0.022805
108.60	0.14	0.022851
108.80	0.14	0.022896
109.00	0.14	0.022941
109.20	0.14	0.022987
109.40	0.14	0.023032
109.60	0.14	0.023077
109.80	0.14	0.023123
110.00	0.14	0.023168
110.20	0.14	0.023214
110.40	0.14	0.023259
110.60	0.14	0.023304
110.80	0.14	0.023350
111.00	0.14	0.023395
111.20	0.14	0.023441
111.40	0.14	0.023486
111.60	0.14	0.023531

111.80	0.14	0.023577
112.00	0.14	0.023622
112.20	0.14	0.023668
112.40	0.14	0.023713
112.60	0.14	0.023759
112.80	0.14	0.023804
113.00	0.14	0.023850
113.20	0.14	0.023895
113.40	0.14	0.023941
113.60	0.14	0.023986
113.80	0.14	0.024032
114.00	0.14	0.024077
114.20	0.14	0.024123
114.40	0.14	0.024168
114.60	0.14	0.024214
114.80	0.14	0.024260
115.00	0.14	0.024305
115.20	0.14	0.024351
115.40	0.14	0.024396
115.60	0.14	0.024442
115.80	0.14	0.024487
116.00	0.14	0.024533
116.20	0.14	0.024579
116.40	0.14	0.024624
116.60	0.14	0.024670
116.80	0.14	0.024716
117.00	0.14	0.024761
117.20	0.14	0.024807
117.40	0.14	0.024853
117.60	0.14	0.024898
117.80	0.14	0.024944
118.00	0.14	0.024990
118.20	0.14	0.025035
118.40	0.14	0.025081
118.60	0.14	0.025127
118.80	0.14	0.025172
119.00	0.14	0.025218
119.20	0.14	0.025264
119.40	0.14	0.025310
119.60	0.14	0.025355
119.80	0.14	0.025401
120.00	0.14	0.025447
120.20	0.14	0.025493
120.40	0.14	0.025538
120.60	0.14	0.025584
120.80	0.14	0.025630
121.00	0.14	0.025676
121.20	0.14	0.025722
121.40	0.14	0.025767
121.60	0.14	0.025813
121.80	0.14	0.025859
122.00	0.14	0.025905
122.20	0.14	0.025951
122.40	0.14	0.025997
122.60	0.14	0.026042
122.80	0.14	0.026088
123.00	0.14	0.026134

123.20	0.14	0.026180
123.40	0.14	0.026226
123.60	0.14	0.026272
123.80	0.14	0.026318
124.00	0.14	0.026364
124.20	0.14	0.026410
124.40	0.14	0.026455
124.60	0.14	0.026501
124.80	0.14	0.026547
125.00	0.14	0.026593
125.20	0.14	0.026639
125.40	0.14	0.026685
125.60	0.14	0.026731
125.80	0.14	0.026777
126.00	0.14	0.026823
126.20	0.14	0.026869
126.40	0.14	0.026915
126.60	0.14	0.026961
126.80	0.14	0.027007
127.00	0.14	0.027053
127.20	0.14	0.027099
127.40	0.14	0.027145
127.60	0.14	0.027191
127.80	0.14	0.027237
128.00	0.14	0.027283
128.20	0.14	0.027329
128.40	0.14	0.027376
128.60	0.14	0.027422
128.80	0.14	0.027468
129.00	0.14	0.027514
129.20	0.14	0.027560
129.40	0.14	0.027606
129.60	0.14	0.027652
129.80	0.14	0.027698
130.00	0.14	0.027744
130.20	0.14	0.027791
130.40	0.14	0.027837
130.60	0.14	0.027883
130.80	0.14	0.027929
131.00	0.14	0.027975
131.20	0.14	0.028021
131.40	0.14	0.028068
131.60	0.14	0.028114
131.80	0.14	0.028160
132.00	0.14	0.028206
132.20	0.14	0.028253
132.40	0.14	0.028299
132.60	0.14	0.028345
132.80	0.14	0.028391
133.00	0.14	0.028438
133.20	0.14	0.028484
133.40	0.14	0.028530
133.60	0.14	0.028576
133.80	0.14	0.028623
134.00	0.14	0.028669
134.20	0.14	0.028715
134.40	0.14	0.028762

134.60	0.14	0.028808
134.80	0.14	0.028854
135.00	0.14	0.028901
135.20	0.14	0.028947
135.40	0.14	0.028993
135.60	0.14	0.029040
135.80	0.14	0.029086
136.00	0.14	0.029132
136.20	0.14	0.029179
136.40	0.14	0.029225
136.60	0.14	0.029271
136.80	0.14	0.029318
137.00	0.14	0.029364
137.20	0.14	0.029411
137.40	0.14	0.029457
137.60	0.14	0.029504
137.80	0.14	0.029550
138.00	0.14	0.029596
138.20	0.14	0.029643
138.40	0.14	0.029689
138.60	0.14	0.029736
138.80	0.14	0.029782
139.00	0.14	0.029829
139.20	0.14	0.029875
139.40	0.14	0.029922
139.60	0.14	0.029968
139.80	0.14	0.030015
140.00	0.14	0.030061
140.20	0.14	0.030108
140.40	0.14	0.030154
140.60	0.14	0.030201
140.80	0.14	0.030248
141.00	0.14	0.030294
141.20	0.14	0.030341
141.40	0.14	0.030387
141.60	0.14	0.030434
141.80	0.14	0.030480
142.00	0.14	0.030527
142.20	0.14	0.030574
142.40	0.14	0.030620
142.60	0.14	0.030667
142.80	0.14	0.030714
143.00	0.14	0.030760
143.20	0.14	0.030807
143.40	0.14	0.030854
143.60	0.14	0.030900
143.80	0.14	0.030947
144.00	0.14	0.030994
144.20	0.14	0.031040
144.40	0.14	0.031087
144.60	0.14	0.031134
144.80	0.14	0.031180
145.00	0.14	0.031227
145.20	0.14	0.031274
145.40	0.14	0.031321
145.60	0.14	0.031367
145.80	0.14	0.031414

146.00	0.14	0.031461
146.20	0.14	0.031508
146.40	0.14	0.031554
146.60	0.14	0.031601
146.80	0.14	0.031648
147.00	0.14	0.031695
147.20	0.14	0.031742
147.40	0.14	0.031788
147.60	0.14	0.031835
147.80	0.14	0.031882
148.00	0.14	0.031929
148.20	0.14	0.031976
148.40	0.14	0.032023
148.60	0.14	0.032070
148.80	0.14	0.032116
149.00	0.14	0.032163
149.20	0.14	0.032210
149.40	0.14	0.032257
149.60	0.14	0.032304
149.80	0.14	0.032351
150.00	0.14	0.032398
150.20	0.14	0.032445
150.40	0.14	0.032492
150.60	0.14	0.032539
150.80	0.14	0.032586
151.00	0.14	0.032633
151.20	0.14	0.032680
151.40	0.14	0.032727
151.60	0.14	0.032774
151.80	0.14	0.032821
152.00	0.14	0.032867
152.20	0.14	0.032914
152.40	0.14	0.032962
152.60	0.14	0.033009
152.80	0.14	0.033056
153.00	0.14	0.033103
153.20	0.14	0.033150
153.40	0.14	0.033197
153.60	0.14	0.033244
153.80	0.14	0.033291
154.00	0.14	0.033338
154.20	0.14	0.033385
154.40	0.14	0.033432
154.60	0.14	0.033479
154.80	0.14	0.033526
155.00	0.14	0.033573
155.20	0.14	0.033621
155.40	0.14	0.033668
155.60	0.14	0.033715
155.80	0.14	0.033762
156.00	0.14	0.033809
156.20	0.14	0.033856
156.40	0.14	0.033904
156.60	0.14	0.033951
156.80	0.14	0.033998
157.00	0.14	0.034045
157.20	0.14	0.034092

157.40	0.14	0.034140
157.60	0.14	0.034187
157.80	0.14	0.034234
158.00	0.14	0.034281
158.20	0.14	0.034328
158.40	0.14	0.034376
158.60	0.14	0.034423
158.80	0.14	0.034470
159.00	0.14	0.034518
159.20	0.14	0.034565
159.40	0.14	0.034612
159.60	0.14	0.034659
159.80	0.14	0.034707
160.00	0.14	0.034754
160.20	0.14	0.034801
160.40	0.14	0.034849
160.60	0.14	0.034896
160.80	0.14	0.034943
161.00	0.14	0.034991
161.20	0.14	0.035038
161.40	0.14	0.035086
161.60	0.14	0.035133
161.80	0.14	0.035180
162.00	0.14	0.035228
162.20	0.14	0.035275
162.40	0.14	0.035323
162.60	0.14	0.035370
162.80	0.14	0.035417
163.00	0.14	0.035465
163.20	0.14	0.035512
163.40	0.14	0.035560
163.60	0.14	0.035607
163.80	0.14	0.035655
164.00	0.14	0.035702
164.20	0.14	0.035750
164.40	0.14	0.035797
164.60	0.14	0.035845
164.80	0.14	0.035892
165.00	0.14	0.035940
165.20	0.14	0.035987
165.40	0.14	0.036035
165.60	0.14	0.036082
165.80	0.14	0.036130
166.00	0.14	0.036177
166.20	0.14	0.036225
166.40	0.14	0.036273
166.60	0.14	0.036320
166.80	0.14	0.036368
167.00	0.14	0.036415
167.20	0.14	0.036463
167.40	0.14	0.036511
167.60	0.14	0.036558
167.80	0.14	0.036606
168.00	0.14	0.036654
168.20	0.14	0.036701
168.40	0.14	0.036749
168.60	0.14	0.036796

168.80	0.14	0.036844
169.00	0.14	0.036892
169.20	0.14	0.036940
169.40	0.14	0.036987
169.60	0.14	0.037035
169.80	0.14	0.037083
170.00	0.14	0.037130
170.20	0.14	0.037178
170.40	0.14	0.037226
170.60	0.14	0.037274
170.80	0.14	0.037321
171.00	0.14	0.037369
171.20	0.14	0.037417
171.40	0.14	0.037465
171.60	0.14	0.037513
171.80	0.14	0.037560
172.00	0.14	0.037608
172.20	0.14	0.037656
172.40	0.14	0.037704
172.60	0.14	0.037752
172.80	0.14	0.037799
173.00	0.14	0.037847
173.20	0.14	0.037895
173.40	0.14	0.037943
173.60	0.14	0.037991
173.80	0.14	0.038039
174.00	0.14	0.038087
174.20	0.14	0.038135
174.40	0.14	0.038182
174.60	0.14	0.038230
174.80	0.14	0.038278
175.00	0.14	0.038326
175.20	0.14	0.038374
175.40	0.14	0.038422
175.60	0.14	0.038470
175.80	0.14	0.038518
176.00	0.14	0.038566
176.20	0.14	0.038614
176.40	0.14	0.038662
176.60	0.14	0.038710
176.80	0.14	0.038758
177.00	0.14	0.038806
177.20	0.14	0.038854
177.40	0.14	0.038902
177.60	0.14	0.038950
177.80	0.14	0.038998
178.00	0.14	0.039046
178.20	0.14	0.039094
178.40	0.14	0.039142
178.60	0.14	0.039190
178.80	0.14	0.039238
179.00	0.14	0.039287
179.20	0.14	0.039335
179.40	0.14	0.039383
179.60	0.14	0.039431
179.80	0.14	0.039479
180.00	0.14	0.039527

180.20	0.14	0.039575
180.40	0.14	0.039623
180.60	0.14	0.039672
180.80	0.14	0.039720
181.00	0.14	0.039768
181.20	0.14	0.039816
181.40	0.14	0.039864
181.60	0.14	0.039913
181.80	0.14	0.039961
182.00	0.14	0.040009
182.20	0.14	0.040057
182.40	0.14	0.040105
182.60	0.14	0.040154
182.80	0.14	0.040202
183.00	0.14	0.040250
183.20	0.14	0.040298
183.40	0.14	0.040347
183.60	0.14	0.040395
183.80	0.14	0.040443
184.00	0.14	0.040492
184.20	0.14	0.040540
184.40	0.14	0.040588
184.60	0.14	0.040637
184.80	0.14	0.040685
185.00	0.14	0.040733
185.20	0.14	0.040782
185.40	0.14	0.040830
185.60	0.14	0.040878
185.80	0.14	0.040927
186.00	0.14	0.040975
186.20	0.14	0.041024
186.40	0.14	0.041072
186.60	0.14	0.041120
186.80	0.14	0.041169
187.00	0.14	0.041217
187.20	0.14	0.041266
187.40	0.14	0.041314
187.60	0.14	0.041363
187.80	0.14	0.041411
188.00	0.14	0.041459
188.20	0.14	0.041508
188.40	0.14	0.041556
188.60	0.14	0.041605
188.80	0.14	0.041653
189.00	0.14	0.041702
189.20	0.14	0.041750
189.40	0.14	0.041799
189.60	0.14	0.041848
189.80	0.14	0.041896
190.00	0.14	0.041945
190.20	0.14	0.041993
190.40	0.14	0.042042
190.60	0.14	0.042090
190.80	0.14	0.042139
191.00	0.14	0.042188
191.20	0.14	0.042236
191.40	0.14	0.042285

191.60	0.14	0.042333
191.80	0.14	0.042382
192.00	0.14	0.042431
192.20	0.14	0.042479
192.40	0.14	0.042528
192.60	0.14	0.042577
192.80	0.14	0.042625
193.00	0.14	0.042674
193.20	0.14	0.042723
193.40	0.14	0.042771
193.60	0.14	0.042820
193.80	0.14	0.042869
194.00	0.14	0.042917
194.20	0.14	0.042966
194.40	0.14	0.043015
194.60	0.14	0.043064
194.80	0.14	0.043112
195.00	0.14	0.043161
195.20	0.14	0.043210
195.40	0.14	0.043259
195.60	0.14	0.043308
195.80	0.14	0.043356
196.00	0.14	0.043405
196.20	0.14	0.043454
196.40	0.14	0.043503
196.60	0.14	0.043552
196.80	0.14	0.043601
197.00	0.14	0.043649
197.20	0.14	0.043698
197.40	0.14	0.043747
197.60	0.14	0.043796
197.80	0.14	0.043845
198.00	0.14	0.043894
198.20	0.14	0.043943
198.40	0.14	0.043992
198.60	0.14	0.044040
198.80	0.14	0.044089
199.00	0.14	0.044138
199.20	0.14	0.044187
199.40	0.14	0.044236
199.60	0.14	0.044285
199.80	0.14	0.044334
200.00	0.14	0.044383
200.20	0.14	0.044432
200.40	0.14	0.044481
200.60	0.14	0.044530
200.80	0.14	0.044579
201.00	0.14	0.044628
201.20	0.14	0.044677
201.40	0.14	0.044726
201.60	0.14	0.044775
201.80	0.14	0.044824
202.00	0.14	0.044873
202.20	0.14	0.044922
202.40	0.14	0.044972
202.60	0.14	0.045021
202.80	0.14	0.045070

203.00	0.14	0.045119
203.20	0.14	0.045168
203.40	0.14	0.045217
203.60	0.14	0.045266
203.80	0.14	0.045315
204.00	0.14	0.045365
204.20	0.14	0.045414
204.40	0.14	0.045463
204.60	0.14	0.045512
204.80	0.14	0.045561
205.00	0.14	0.045610
205.20	0.14	0.045660
205.40	0.14	0.045709
205.60	0.14	0.045758
205.80	0.14	0.045807
206.00	0.14	0.045856
206.20	0.14	0.045906
206.40	0.14	0.045955
206.60	0.14	0.046004
206.80	0.14	0.046054
207.00	0.14	0.046103
207.20	0.14	0.046152
207.40	0.14	0.046201
207.60	0.14	0.046251
207.80	0.14	0.046300
208.00	0.14	0.046349
208.20	0.14	0.046399
208.40	0.14	0.046448
208.60	0.14	0.046497
208.80	0.14	0.046547
209.00	0.14	0.046596
209.20	0.14	0.046645
209.40	0.14	0.046695
209.60	0.14	0.046744
209.80	0.14	0.046794
210.00	0.14	0.046843
210.20	0.14	0.046892
210.40	0.14	0.046942
210.60	0.14	0.046991
210.80	0.14	0.047041
211.00	0.14	0.047090
211.20	0.14	0.047140
211.40	0.14	0.047189
211.60	0.14	0.047239
211.80	0.14	0.047288
212.00	0.14	0.047338
212.20	0.14	0.047387
212.40	0.14	0.047437
212.60	0.14	0.047486
212.80	0.14	0.047536
213.00	0.14	0.047585
213.20	0.14	0.047635
213.40	0.14	0.047684
213.60	0.14	0.047734
213.80	0.14	0.047783
214.00	0.14	0.047833
214.20	0.14	0.047883

214.40	0.14	0.047932
214.60	0.14	0.047982
214.80	0.14	0.048031
215.00	0.14	0.048081
215.20	0.14	0.048131
215.40	0.14	0.048180
215.60	0.14	0.048230
215.80	0.14	0.048280
216.00	0.14	0.048329
216.20	0.14	0.048379
216.40	0.14	0.048429
216.60	0.14	0.048478
216.80	0.14	0.048528
217.00	0.14	0.048578
217.20	0.14	0.048628
217.40	0.14	0.048677
217.60	0.14	0.048727
217.80	0.14	0.048777
218.00	0.14	0.048827
218.20	0.14	0.048876
218.40	0.14	0.048926
218.60	0.14	0.048976
218.80	0.14	0.049026
219.00	0.14	0.049075
219.20	0.14	0.049125
219.40	0.14	0.049175
219.60	0.14	0.049225
219.80	0.14	0.049275
220.00	0.14	0.049325
220.20	0.14	0.049374
220.40	0.14	0.049424
220.60	0.14	0.049474
220.80	0.14	0.049524
221.00	0.14	0.049574
221.20	0.14	0.049624
221.40	0.14	0.049674
221.60	0.14	0.049724
221.80	0.14	0.049774
222.00	0.14	0.049824
222.20	0.14	0.049873
222.40	0.14	0.049923
222.60	0.14	0.049973
222.80	0.14	0.050023
223.00	0.14	0.050073
223.20	0.14	0.050123
223.40	0.14	0.050173
223.60	0.14	0.050223
223.80	0.14	0.050273
224.00	0.14	0.050323
224.20	0.14	0.050373
224.40	0.14	0.050423
224.60	0.14	0.050474
224.80	0.14	0.050524
225.00	0.14	0.050574
225.20	0.14	0.050624
225.40	0.14	0.050674
225.60	0.14	0.050724

225.80	0.14	0.050774
226.00	0.14	0.050824
226.20	0.14	0.050874
226.40	0.14	0.050924
226.60	0.14	0.050974
226.80	0.14	0.051025
227.00	0.14	0.051075
227.20	0.14	0.051125
227.40	0.14	0.051175
227.60	0.14	0.051225
227.80	0.14	0.051275
228.00	0.14	0.051326
228.20	0.14	0.051376
228.40	0.14	0.051426
228.60	0.14	0.051476
228.80	0.14	0.051527
229.00	0.14	0.051577
229.20	0.14	0.051627
229.40	0.14	0.051677
229.60	0.14	0.051728
229.80	0.14	0.051778
230.00	0.14	0.051828
230.20	0.14	0.051879
230.40	0.14	0.051929
230.60	0.14	0.051979
230.80	0.14	0.052029
231.00	0.14	0.052080
231.20	0.14	0.052130
231.40	0.14	0.052181
231.60	0.14	0.052231
231.80	0.14	0.052281
232.00	0.14	0.052332
232.20	0.14	0.052382
232.40	0.14	0.052432
232.60	0.14	0.052483
232.80	0.14	0.052533
233.00	0.14	0.052584
233.20	0.14	0.052634
233.40	0.14	0.052685
233.60	0.14	0.052735
233.80	0.14	0.052785
234.00	0.14	0.052836
234.20	0.14	0.052886
234.40	0.14	0.052937
234.60	0.14	0.052987
234.80	0.14	0.053038
235.00	0.14	0.053088
235.20	0.14	0.053139
235.40	0.14	0.053189
235.60	0.14	0.053240
235.80	0.14	0.053291
236.00	0.14	0.053341
236.20	0.14	0.053392
236.40	0.14	0.053442
236.60	0.14	0.053493
236.80	0.14	0.053543
237.00	0.14	0.053594

237.20	0.14	0.053645
237.40	0.14	0.053695
237.60	0.14	0.053746
237.80	0.14	0.053797
238.00	0.14	0.053847
238.20	0.14	0.053898
238.40	0.14	0.053948
238.60	0.14	0.053999
238.80	0.14	0.054050
239.00	0.14	0.054101
239.20	0.14	0.054151
239.40	0.14	0.054202
239.60	0.14	0.054253
239.80	0.14	0.054303
240.00	0.14	0.054354
240.20	0.14	0.054405
240.40	0.14	0.054456
240.60	0.14	0.054506
240.80	0.14	0.054557
241.00	0.14	0.054608
241.20	0.14	0.054659
241.40	0.14	0.054710
241.60	0.14	0.054760
241.80	0.14	0.054811
242.00	0.14	0.054862
242.20	0.14	0.054913
242.40	0.14	0.054964
242.60	0.14	0.055015
242.80	0.14	0.055066
243.00	0.14	0.055116
243.20	0.14	0.055167
243.40	0.14	0.055218
243.60	0.14	0.055269
243.80	0.14	0.055320
244.00	0.14	0.055371
244.20	0.14	0.055422
244.40	0.14	0.055473
244.60	0.14	0.055524
244.80	0.14	0.055575
245.00	0.14	0.055626
245.20	0.14	0.055677
245.40	0.14	0.055728
245.60	0.14	0.055779
245.80	0.14	0.055830
246.00	0.14	0.055881
246.20	0.14	0.055932
246.40	0.14	0.055983
246.60	0.14	0.056034
246.80	0.14	0.056085
247.00	0.14	0.056136
247.20	0.14	0.056187
247.40	0.14	0.056238
247.60	0.14	0.056289
247.80	0.14	0.056340
248.00	0.14	0.056391
248.20	0.14	0.056443
248.40	0.14	0.056494

248.60	0.14	0.056545
248.80	0.14	0.056596
249.00	0.14	0.056647
249.20	0.14	0.056698
249.40	0.14	0.056749
249.60	0.14	0.056801
249.80	0.14	0.056852
250.00	0.14	0.056903
250.20	0.14	0.056954
250.40	0.14	0.057006
250.60	0.14	0.057057
250.80	0.14	0.057108
251.00	0.14	0.057159
251.20	0.14	0.057210
251.40	0.14	0.057262
251.60	0.14	0.057313
251.80	0.14	0.057364
252.00	0.14	0.057416
252.20	0.14	0.057467
252.40	0.14	0.057518
252.60	0.14	0.057570
252.80	0.14	0.057621
253.00	0.14	0.057672
253.20	0.14	0.057724
253.40	0.14	0.057775
253.60	0.14	0.057826
253.80	0.14	0.057878
254.00	0.14	0.057929
254.20	0.14	0.057980
254.40	0.14	0.058032
254.60	0.14	0.058083
254.80	0.14	0.058135
255.00	0.14	0.058186
255.20	0.14	0.058238
255.40	0.14	0.058289
255.60	0.14	0.058340
255.80	0.14	0.058392
256.00	0.14	0.058443
256.20	0.14	0.058495
256.40	0.14	0.058546
256.60	0.14	0.058598
256.80	0.14	0.058649
257.00	0.14	0.058701
257.20	0.14	0.058752
257.40	0.14	0.058804
257.60	0.14	0.058856
257.80	0.14	0.058907
258.00	0.14	0.058959
258.20	0.14	0.059010
258.40	0.14	0.059062
258.60	0.14	0.059113
258.80	0.14	0.059165
259.00	0.14	0.059217
259.20	0.14	0.059268
259.40	0.14	0.059320
259.60	0.14	0.059372
259.80	0.14	0.059423

260.00	0.14	0.059475
260.20	0.14	0.059527
260.40	0.14	0.059578
260.60	0.14	0.059630
260.80	0.14	0.059682
261.00	0.14	0.059733
261.20	0.14	0.059785
261.40	0.14	0.059837
261.60	0.14	0.059889
261.80	0.14	0.059940
262.00	0.14	0.059992
262.20	0.14	0.060044
262.40	0.14	0.060096
262.60	0.14	0.060147
262.80	0.14	0.060199
263.00	0.14	0.060251
263.20	0.14	0.060303
263.40	0.14	0.060355
263.60	0.14	0.060407
263.80	0.14	0.060458
264.00	0.14	0.060510
264.20	0.14	0.060562
264.40	0.14	0.060614
264.60	0.14	0.060666
264.80	0.14	0.060718
265.00	0.14	0.060770
265.20	0.14	0.060822
265.40	0.14	0.060874
265.60	0.14	0.060925
265.80	0.14	0.060977
266.00	0.14	0.061029
266.20	0.14	0.061081
266.40	0.14	0.061133
266.60	0.14	0.061185
266.80	0.14	0.061237
267.00	0.14	0.061289
267.20	0.14	0.061341
267.40	0.14	0.061393
267.60	0.14	0.061445
267.80	0.14	0.061497
268.00	0.14	0.061549
268.20	0.14	0.061601
268.40	0.14	0.061653
268.60	0.14	0.061706
268.80	0.14	0.061758
269.00	0.14	0.061810
269.20	0.14	0.061862
269.40	0.14	0.061914
269.60	0.14	0.061966
269.80	0.14	0.062018
270.00	0.14	0.062070
270.20	0.14	0.062122
270.40	0.14	0.062175
270.60	0.14	0.062227
270.80	0.14	0.062279
271.00	0.14	0.062331
271.20	0.14	0.062383

271.40	0.14	0.062436
271.60	0.14	0.062488
271.80	0.14	0.062540
272.00	0.14	0.062592
272.20	0.14	0.062644
272.40	0.14	0.062697
272.60	0.14	0.062749
272.80	0.14	0.062801
273.00	0.14	0.062854
273.20	0.14	0.062906
273.40	0.14	0.062958
273.60	0.14	0.063010
273.80	0.14	0.063063
274.00	0.14	0.063115
274.20	0.14	0.063167
274.40	0.14	0.063220
274.60	0.14	0.063272
274.80	0.14	0.063325
275.00	0.14	0.063377
275.20	0.14	0.063429
275.40	0.14	0.063482
275.60	0.14	0.063534
275.80	0.14	0.063587
276.00	0.14	0.063639
276.20	0.14	0.063691
276.40	0.14	0.063744
276.60	0.14	0.063796
276.80	0.14	0.063849
277.00	0.14	0.063901
277.20	0.14	0.063954
277.40	0.14	0.064006
277.60	0.14	0.064059
277.80	0.14	0.064111
278.00	0.14	0.064164
278.20	0.14	0.064216
278.40	0.14	0.064269
278.60	0.14	0.064321
278.80	0.14	0.064374
279.00	0.14	0.064427
279.20	0.14	0.064479
279.40	0.14	0.064532
279.60	0.14	0.064584
279.80	0.14	0.064637
280.00	0.14	0.064690
280.20	0.14	0.064742
280.40	0.14	0.064795
280.60	0.14	0.064848
280.80	0.14	0.064900
281.00	0.14	0.064953
281.20	0.14	0.065006
281.40	0.14	0.065058
281.60	0.14	0.065111
281.80	0.14	0.065164
282.00	0.14	0.065216
282.20	0.14	0.065269
282.40	0.14	0.065322
282.60	0.14	0.065375

282.80	0.14	0.065427
283.00	0.14	0.065480
283.20	0.14	0.065533
283.40	0.14	0.065586
283.60	0.14	0.065638
283.80	0.14	0.065691
284.00	0.14	0.065744
284.20	0.14	0.065797
284.40	0.14	0.065850
284.60	0.14	0.065903
284.80	0.14	0.065955
285.00	0.14	0.066008
285.20	0.14	0.066061
285.40	0.14	0.066114
285.60	0.14	0.066167
285.80	0.14	0.066220
286.00	0.14	0.066273
286.20	0.14	0.066326
286.40	0.14	0.066379
286.60	0.14	0.066432
286.80	0.14	0.066485
287.00	0.14	0.066538
287.20	0.14	0.066590
287.40	0.14	0.066643
287.60	0.14	0.066696
287.80	0.14	0.066749
288.00	0.14	0.066802
288.20	0.14	0.066855
288.40	0.14	0.066909
288.60	0.14	0.066962
288.80	0.14	0.067015
289.00	0.14	0.067068
289.20	0.14	0.067121
289.40	0.14	0.067174
289.60	0.14	0.067227
289.80	0.14	0.067280
290.00	0.14	0.067333
290.20	0.14	0.067386
290.40	0.14	0.067439
290.60	0.14	0.067493
290.80	0.14	0.067546
291.00	0.14	0.067599
291.20	0.14	0.067652
291.40	0.14	0.067705
291.60	0.14	0.067758
291.80	0.14	0.067812
292.00	0.14	0.067865
292.20	0.14	0.067918
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292.60	0.14	0.068024
292.80	0.14	0.068078
293.00	0.14	0.068131
293.20	0.14	0.068184
293.40	0.14	0.068238
293.60	0.14	0.068291
293.80	0.14	0.068344
294.00	0.14	0.068397

294.20	0.14	0.068451
294.40	0.14	0.068504
294.60	0.14	0.068557
294.80	0.14	0.068611
295.00	0.14	0.068664
295.20	0.14	0.068718
295.40	0.14	0.068771
295.60	0.14	0.068824
295.80	0.14	0.068878
296.00	0.14	0.068931
296.20	0.14	0.068985
296.40	0.14	0.069038
296.60	0.14	0.069091
296.80	0.14	0.069145
297.00	0.14	0.069198
297.20	0.14	0.069252
297.40	0.14	0.069305
297.60	0.14	0.069359
297.80	0.14	0.069412
298.00	0.14	0.069466
298.20	0.14	0.069519
298.40	0.14	0.069573
298.60	0.14	0.069626
298.80	0.14	0.069680
299.00	0.14	0.069733
299.20	0.14	0.069787
299.40	0.14	0.069841
299.60	0.14	0.069894
299.80	0.14	0.069948
300.00	0.14	0.070001
300.20	0.14	0.070055
300.40	0.14	0.070109
300.60	0.14	0.070162
300.80	0.14	0.070216
301.00	0.14	0.070270
301.20	0.14	0.070323
301.40	0.14	0.070377
301.60	0.14	0.070431
301.80	0.14	0.070484
302.00	0.14	0.070538
302.20	0.14	0.070592
302.40	0.14	0.070646
302.60	0.14	0.070699
302.80	0.14	0.070753
303.00	0.14	0.070807
303.20	0.14	0.070861
303.40	0.14	0.070914
303.60	0.14	0.070968
303.80	0.14	0.071022
304.00	0.14	0.071076
304.20	0.14	0.071130
304.40	0.14	0.071183
304.60	0.14	0.071237
304.80	0.14	0.071291
305.00	0.14	0.071345
305.20	0.14	0.071399
305.40	0.14	0.071453

305.60	0.14	0.071507
305.80	0.14	0.071561
306.00	0.14	0.071614
306.20	0.14	0.071668
306.40	0.14	0.071722
306.60	0.14	0.071776
306.80	0.14	0.071830
307.00	0.14	0.071884
307.20	0.14	0.071938
307.40	0.14	0.071992
307.60	0.14	0.072046
307.80	0.14	0.072100
308.00	0.14	0.072154
308.20	0.14	0.072208
308.40	0.14	0.072262
308.60	0.14	0.072316
308.80	0.14	0.072370
309.00	0.14	0.072424
309.20	0.14	0.072478
309.40	0.14	0.072532
309.60	0.14	0.072587
309.80	0.14	0.072641
310.00	0.14	0.072695
310.20	0.14	0.072749
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310.60	0.14	0.072857
310.80	0.14	0.072911
311.00	0.14	0.072966
311.20	0.14	0.073020
311.40	0.14	0.073074
311.60	0.14	0.073128
311.80	0.14	0.073182
312.00	0.14	0.073237
312.20	0.14	0.073291
312.40	0.14	0.073345
312.60	0.14	0.073399
312.80	0.14	0.073454
313.00	0.14	0.073508
313.20	0.14	0.073562
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313.60	0.14	0.073671
313.80	0.14	0.073725
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314.20	0.14	0.073834
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314.60	0.14	0.073942
314.80	0.14	0.073997
315.00	0.14	0.074051
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315.40	0.14	0.074160
315.60	0.14	0.074214
315.80	0.14	0.074269
316.00	0.14	0.074323
316.20	0.14	0.074378
316.40	0.14	0.074432
316.60	0.14	0.074486
316.80	0.14	0.074541

317.00	0.14	0.074595
317.20	0.14	0.074650
317.40	0.14	0.074704
317.60	0.14	0.074759
317.80	0.14	0.074813
318.00	0.14	0.074868
318.20	0.14	0.074922
318.40	0.14	0.074977
318.60	0.14	0.075032
318.80	0.14	0.075086
319.00	0.14	0.075141
319.20	0.14	0.075195
319.40	0.14	0.075250
319.60	0.14	0.075305
319.80	0.14	0.075359
320.00	0.14	0.075414
320.20	0.14	0.075468
320.40	0.14	0.075523
320.60	0.14	0.075578
320.80	0.14	0.075632
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321.20	0.14	0.075742
321.40	0.14	0.075797
321.60	0.14	0.075851
321.80	0.14	0.075906
322.00	0.14	0.075961
322.20	0.14	0.076015
322.40	0.14	0.076070
322.60	0.14	0.076125
322.80	0.14	0.076180
323.00	0.14	0.076235
323.20	0.14	0.076289
323.40	0.14	0.076344
323.60	0.14	0.076399
323.80	0.14	0.076454
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325.60	0.14	0.076948
325.80	0.14	0.077003
326.00	0.14	0.077058
326.20	0.14	0.077113
326.40	0.14	0.077168
326.60	0.14	0.077223
326.80	0.14	0.077278
327.00	0.14	0.077333
327.20	0.14	0.077388
327.40	0.14	0.077443
327.60	0.14	0.077498
327.80	0.14	0.077553
328.00	0.14	0.077608
328.20	0.14	0.077663

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328.80	0.14	0.077828
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329.20	0.14	0.077938
329.40	0.14	0.077993
329.60	0.14	0.078048
329.80	0.14	0.078104
330.00	0.14	0.078159
330.20	0.14	0.078214
330.40	0.14	0.078269
330.60	0.14	0.078324
330.80	0.14	0.078380
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331.20	0.14	0.078490
331.40	0.14	0.078545
331.60	0.14	0.078600
331.80	0.14	0.078656
332.00	0.14	0.078711
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332.40	0.14	0.078822
332.60	0.14	0.078877
332.80	0.14	0.078932
333.00	0.14	0.078987
333.20	0.14	0.079043
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333.60	0.14	0.079153
333.80	0.14	0.079209
334.00	0.14	0.079264
334.20	0.14	0.079320
334.40	0.14	0.079375
334.60	0.14	0.079430
334.80	0.14	0.079486
335.00	0.14	0.079541
335.20	0.14	0.079597
335.40	0.14	0.079652
335.60	0.14	0.079708
335.80	0.14	0.079763
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336.20	0.14	0.079874
336.40	0.14	0.079929
336.60	0.14	0.079985
336.80	0.14	0.080040
337.00	0.14	0.080096
337.20	0.14	0.080152
337.40	0.14	0.080207
337.60	0.14	0.080263
337.80	0.14	0.080318
338.00	0.14	0.080374
338.20	0.14	0.080429
338.40	0.14	0.080485
338.60	0.14	0.080541
338.80	0.14	0.080596
339.00	0.14	0.080652
339.20	0.14	0.080708
339.40	0.14	0.080763
339.60	0.14	0.080819

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341.20	0.14	0.081265
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341.60	0.14	0.081376
341.80	0.14	0.081432
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343.60	0.14	0.081935
343.80	0.14	0.081990
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344.60	0.14	0.082214
344.80	0.14	0.082270
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345.60	0.14	0.082494
345.80	0.14	0.082550
346.00	0.14	0.082606
346.20	0.14	0.082662
346.40	0.14	0.082718
346.60	0.14	0.082774
346.80	0.14	0.082830
347.00	0.14	0.082886
347.20	0.14	0.082942
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347.60	0.14	0.083055
347.80	0.14	0.083111
348.00	0.14	0.083167
348.20	0.14	0.083223
348.40	0.14	0.083279
348.60	0.14	0.083335
348.80	0.14	0.083391
349.00	0.14	0.083448
349.20	0.14	0.083504
349.40	0.14	0.083560
349.60	0.14	0.083616
349.80	0.14	0.083673
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350.20	0.14	0.083785
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350.60	0.14	0.083898
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351.60	0.14	0.084179
351.80	0.14	0.084235
352.00	0.14	0.084292
352.20	0.14	0.084348
352.40	0.14	0.084404
352.60	0.14	0.084461
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353.00	0.14	0.084574
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353.60	0.14	0.084743
353.80	0.14	0.084799
354.00	0.14	0.084856
354.20	0.14	0.084912
354.40	0.14	0.084969
354.60	0.14	0.085025
354.80	0.14	0.085082
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355.20	0.14	0.085195
355.40	0.14	0.085251
355.60	0.14	0.085308
355.80	0.14	0.085364
356.00	0.14	0.085421
356.20	0.14	0.085478
356.40	0.14	0.085534
356.60	0.14	0.085591
356.80	0.14	0.085647
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357.20	0.14	0.085761
357.40	0.14	0.085817
357.60	0.14	0.085874
357.80	0.14	0.085931
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358.60	0.14	0.086157
358.80	0.14	0.086214
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360.60	0.14	0.086725
360.80	0.14	0.086782
361.00	0.14	0.086839
361.20	0.14	0.086896
361.40	0.14	0.086952
361.60	0.14	0.087009
361.80	0.14	0.087066
362.00	0.14	0.087123
362.20	0.14	0.087180
362.40	0.14	0.087237

362.60	0.14	0.087294
362.80	0.14	0.087351
363.00	0.14	0.087408
363.20	0.14	0.087465
363.40	0.14	0.087522
363.60	0.14	0.087579
363.80	0.14	0.087636
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364.60	0.14	0.087864
364.80	0.14	0.087921
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365.60	0.14	0.088149
365.80	0.14	0.088206
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366.20	0.14	0.088321
366.40	0.14	0.088378
366.60	0.14	0.088435
366.80	0.14	0.088492
367.00	0.14	0.088549
367.20	0.14	0.088607
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367.60	0.14	0.088721
367.80	0.14	0.088778
368.00	0.14	0.088835
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368.60	0.14	0.089007
368.80	0.14	0.089065
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369.20	0.14	0.089179
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369.60	0.14	0.089294
369.80	0.14	0.089351
370.00	0.14	0.089409
370.20	0.14	0.089466
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370.60	0.14	0.089581
370.80	0.14	0.089638
371.00	0.14	0.089695
371.20	0.14	0.089753
371.40	0.14	0.089810
371.60	0.14	0.089868
371.80	0.14	0.089925
372.00	0.14	0.089983
372.20	0.14	0.090040
372.40	0.14	0.090098
372.60	0.14	0.090155
372.80	0.14	0.090213
373.00	0.14	0.090270
373.20	0.14	0.090328
373.40	0.14	0.090385
373.60	0.14	0.090443
373.80	0.14	0.090500

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374.20	0.14	0.090616
374.40	0.14	0.090673
374.60	0.14	0.090731
374.80	0.14	0.090789
375.00	0.14	0.090846
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375.80	0.14	0.091077
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376.20	0.14	0.091192
376.40	0.14	0.091250
376.60	0.14	0.091308
376.80	0.14	0.091365
377.00	0.14	0.091423
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377.60	0.14	0.091597
377.80	0.14	0.091654
378.00	0.14	0.091712
378.20	0.14	0.091770
378.40	0.14	0.091828
378.60	0.14	0.091886
378.80	0.14	0.091944
379.00	0.14	0.092001
379.20	0.14	0.092059
379.40	0.14	0.092117
379.60	0.14	0.092175
379.80	0.14	0.092233
380.00	0.14	0.092291
380.20	0.14	0.092349
380.40	0.14	0.092407
380.60	0.14	0.092465
380.80	0.14	0.092523
381.00	0.14	0.092581
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381.60	0.14	0.092755
381.80	0.14	0.092813
382.00	0.14	0.092871
382.20	0.14	0.092929
382.40	0.14	0.092987
382.60	0.14	0.093045
382.80	0.14	0.093103
383.00	0.14	0.093161
383.20	0.14	0.093219
383.40	0.14	0.093278
383.60	0.14	0.093336
383.80	0.14	0.093394
384.00	0.14	0.093452
384.20	0.14	0.093510
384.40	0.14	0.093568
384.60	0.14	0.093627
384.80	0.14	0.093685
385.00	0.14	0.093743
385.20	0.14	0.093801

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385.60	0.14	0.093918
385.80	0.14	0.093976
386.00	0.14	0.094034
386.20	0.14	0.094093
386.40	0.14	0.094151
386.60	0.14	0.094209
386.80	0.14	0.094268
387.00	0.14	0.094326
387.20	0.14	0.094384
387.40	0.14	0.094443
387.60	0.14	0.094501
387.80	0.14	0.094559
388.00	0.14	0.094618
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388.40	0.14	0.094735
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388.80	0.14	0.094851
389.00	0.14	0.094910
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389.60	0.14	0.095085
389.80	0.14	0.095144
390.00	0.14	0.095202
390.20	0.14	0.095261
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390.60	0.14	0.095378
390.80	0.14	0.095437
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391.20	0.14	0.095554
391.40	0.14	0.095612
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392.80	0.14	0.096023
393.00	0.14	0.096082
393.20	0.14	0.096140
393.40	0.14	0.096199
393.60	0.14	0.096258
393.80	0.14	0.096316
394.00	0.14	0.096375
394.20	0.14	0.096434
394.40	0.14	0.096493
394.60	0.14	0.096552
394.80	0.14	0.096610
395.00	0.14	0.096669
395.20	0.14	0.096728
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395.60	0.14	0.096846
395.80	0.14	0.096905
396.00	0.14	0.096963
396.20	0.14	0.097022
396.40	0.14	0.097081
396.60	0.14	0.097140

396.80	0.14	0.097199
397.00	0.14	0.097258
397.20	0.14	0.097317
397.40	0.14	0.097376
397.60	0.14	0.097435
397.80	0.14	0.097494
398.00	0.14	0.097553
398.20	0.14	0.097612
398.40	0.14	0.097671
398.60	0.14	0.097730
398.80	0.14	0.097789
399.00	0.14	0.097848
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399.60	0.14	0.098025
399.80	0.14	0.098084
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400.20	0.14	0.098203
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401.80	0.14	0.098676
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402.80	0.14	0.098972
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403.20	0.14	0.099091
403.40	0.14	0.099150
403.60	0.14	0.099210
403.80	0.14	0.099269
404.00	0.14	0.099328
404.20	0.14	0.099388
404.40	0.14	0.099447
404.60	0.14	0.099506
404.80	0.14	0.099566
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405.20	0.14	0.099685
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405.60	0.14	0.099804
405.80	0.14	0.099863
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406.40	0.14	0.100042
406.60	0.14	0.100101
406.80	0.14	0.100161
407.00	0.14	0.100220
407.20	0.14	0.100280
407.40	0.14	0.100339
407.60	0.14	0.100399
407.80	0.14	0.100458
408.00	0.14	0.100518

408.20	0.14	0.100578
408.40	0.14	0.100637
408.60	0.14	0.100697
408.80	0.14	0.100757
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409.20	0.14	0.100876
409.40	0.14	0.100936
409.60	0.14	0.100995
409.80	0.14	0.101055
410.00	0.14	0.101115
410.20	0.14	0.101174
410.40	0.14	0.101234
410.60	0.14	0.101294
410.80	0.14	0.101354
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411.20	0.14	0.101473
411.40	0.14	0.101533
411.60	0.14	0.101593
411.80	0.14	0.101653
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412.20	0.14	0.101772
412.40	0.14	0.101832
412.60	0.14	0.101892
412.80	0.14	0.101952
413.00	0.14	0.102012
413.20	0.14	0.102072
413.40	0.14	0.102132
413.60	0.14	0.102192
413.80	0.14	0.102252
414.00	0.14	0.102312
414.20	0.14	0.102372
414.40	0.14	0.102432
414.60	0.14	0.102492
414.80	0.14	0.102552
415.00	0.14	0.102612
415.20	0.14	0.102672
415.40	0.14	0.102732
415.60	0.14	0.102792
415.80	0.14	0.102852
416.00	0.14	0.102912
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416.60	0.14	0.103093
416.80	0.14	0.103153
417.00	0.14	0.103213
417.20	0.14	0.103273
417.40	0.14	0.103333
417.60	0.14	0.103393
417.80	0.14	0.103454
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418.60	0.14	0.103695
418.80	0.14	0.103755
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419.20	0.14	0.103875
419.40	0.14	0.103936

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419.80	0.14	0.104056
420.00	0.14	0.104117
420.20	0.14	0.104177
420.40	0.14	0.104237
420.60	0.14	0.104298
420.80	0.14	0.104358
421.00	0.14	0.104419
421.20	0.14	0.104479
421.40	0.14	0.104539
421.60	0.14	0.104600
421.80	0.14	0.104660
422.00	0.14	0.104721
422.20	0.14	0.104781
422.40	0.14	0.104842
422.60	0.14	0.104902
422.80	0.14	0.104963
423.00	0.14	0.105023
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423.40	0.14	0.105144
423.60	0.14	0.105205
423.80	0.14	0.105266
424.00	0.14	0.105326
424.20	0.14	0.105387
424.40	0.14	0.105447
424.60	0.14	0.105508
424.80	0.14	0.105569
425.00	0.14	0.105629
425.20	0.14	0.105690
425.40	0.14	0.105751
425.60	0.14	0.105811
425.80	0.14	0.105872
426.00	0.14	0.105933
426.20	0.14	0.105994
426.40	0.14	0.106054
426.60	0.14	0.106115
426.80	0.14	0.106176
427.00	0.14	0.106237
427.20	0.14	0.106298
427.40	0.14	0.106358
427.60	0.14	0.106419
427.80	0.14	0.106480
428.00	0.14	0.106541
428.20	0.14	0.106602
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428.80	0.14	0.106784
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429.80	0.14	0.107089
430.00	0.14	0.107150
430.20	0.14	0.107211
430.40	0.14	0.107272
430.60	0.14	0.107333
430.80	0.14	0.107394

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431.20	0.14	0.107516
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431.80	0.14	0.107699
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433.00	0.14	0.108066
433.20	0.14	0.108128
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433.60	0.14	0.108250
433.80	0.14	0.108311
434.00	0.14	0.108372
434.20	0.14	0.108434
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434.80	0.14	0.108617
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435.80	0.14	0.108924
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436.40	0.14	0.109108
436.60	0.14	0.109170
436.80	0.14	0.109231
437.00	0.14	0.109293
437.20	0.14	0.109354
437.40	0.14	0.109415
437.60	0.14	0.109477
437.80	0.14	0.109538
438.00	0.14	0.109600
438.20	0.14	0.109661
438.40	0.14	0.109723
438.60	0.14	0.109784
438.80	0.14	0.109846
439.00	0.14	0.109908
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439.80	0.14	0.110154
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440.60	0.14	0.110401
440.80	0.14	0.110462
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441.60	0.14	0.110709
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446.60	0.14	0.112257
446.80	0.14	0.112319
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452.80	0.14	0.114187
453.00	0.14	0.114250
453.20	0.14	0.114312
453.40	0.14	0.114375
453.60	0.14	0.114437

453.80	0.14	0.114500
454.00	0.14	0.114562
454.20	0.14	0.114625
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454.60	0.14	0.114750
454.80	0.14	0.114813
455.00	0.14	0.114875
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455.60	0.14	0.115063
455.80	0.14	0.115126
456.00	0.14	0.115189
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459.60	0.14	0.116319
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460.00	0.14	0.116445
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460.80	0.14	0.116697
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461.20	0.14	0.116823
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461.60	0.14	0.116950
461.80	0.14	0.117013
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462.60	0.14	0.117265
462.80	0.14	0.117328
463.00	0.14	0.117391
463.20	0.14	0.117455
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463.80	0.14	0.117644
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466.20	0.14	0.118404
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466.80	0.14	0.118594
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467.20	0.14	0.118721
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467.60	0.14	0.118848
467.80	0.14	0.118912
468.00	0.14	0.118975
468.20	0.14	0.119039
468.40	0.14	0.119102
468.60	0.14	0.119166
468.80	0.14	0.119229
469.00	0.14	0.119293
469.20	0.14	0.119356
469.40	0.14	0.119420
469.60	0.14	0.119484
469.80	0.14	0.119547
470.00	0.14	0.119611
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471.60	0.14	0.120121
471.80	0.14	0.120185
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472.20	0.14	0.120312
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472.60	0.14	0.120440
472.80	0.14	0.120504
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473.40	0.14	0.120695
473.60	0.14	0.120759
473.80	0.14	0.120823
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474.20	0.14	0.120951
474.40	0.14	0.121015
474.60	0.14	0.121079
474.80	0.14	0.121143
475.00	0.14	0.121207
475.20	0.14	0.121271
475.40	0.14	0.121335
475.60	0.14	0.121399
475.80	0.14	0.121463
476.00	0.14	0.121527
476.20	0.14	0.121591
476.40	0.14	0.121655

476.60	0.14	0.121719
476.80	0.14	0.121784
477.00	0.14	0.121848
477.20	0.14	0.121912
477.40	0.14	0.121976
477.60	0.14	0.122040
477.80	0.14	0.122104
478.00	0.14	0.122169
478.20	0.14	0.122233
478.40	0.14	0.122297
478.60	0.14	0.122361
478.80	0.14	0.122426
479.00	0.14	0.122490
479.20	0.14	0.122554
479.40	0.14	0.122619
479.60	0.14	0.122683
479.80	0.14	0.122747
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480.80	0.14	0.123069
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481.20	0.14	0.123198
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481.80	0.14	0.123391
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482.20	0.14	0.123520
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482.80	0.14	0.123714
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483.20	0.14	0.123843
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483.60	0.14	0.123972
483.80	0.14	0.124037
484.00	0.14	0.124102
484.20	0.14	0.124166
484.40	0.14	0.124231
484.60	0.14	0.124296
484.80	0.14	0.124360
485.00	0.14	0.124425
485.20	0.14	0.124490
485.40	0.14	0.124555
485.60	0.14	0.124619
485.80	0.14	0.124684
486.00	0.14	0.124749
486.20	0.14	0.124814
486.40	0.14	0.124878
486.60	0.14	0.124943
486.80	0.14	0.125008
487.00	0.14	0.125073
487.20	0.14	0.125138
487.40	0.14	0.125203
487.60	0.14	0.125268
487.80	0.14	0.125333

488.00	0.14	0.125397
488.20	0.14	0.125462
488.40	0.14	0.125527
488.60	0.14	0.125592
488.80	0.14	0.125657
489.00	0.14	0.125722
489.20	0.14	0.125787
489.40	0.14	0.125852
489.60	0.14	0.125917
489.80	0.14	0.125983
490.00	0.14	0.126048
490.20	0.14	0.126113
490.40	0.14	0.126178
490.60	0.14	0.126243
490.80	0.14	0.126308
491.00	0.14	0.126373
491.20	0.14	0.126438
491.40	0.14	0.126504
491.60	0.14	0.126569
491.80	0.14	0.126634
492.00	0.14	0.126699
492.20	0.14	0.126764
492.40	0.14	0.126830
492.60	0.14	0.126895
492.80	0.14	0.126960
493.00	0.14	0.127025
493.20	0.14	0.127091
493.40	0.14	0.127156
493.60	0.14	0.127221
493.80	0.14	0.127287
494.00	0.14	0.127352
494.20	0.14	0.127418
494.40	0.14	0.127483
494.60	0.14	0.127548
494.80	0.14	0.127614
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495.20	0.14	0.127745
495.40	0.14	0.127810
495.60	0.14	0.127876
495.80	0.14	0.127941
496.00	0.14	0.128007
496.20	0.14	0.128072
496.40	0.14	0.128138
496.60	0.14	0.128203
496.80	0.14	0.128269
497.00	0.14	0.128334
497.20	0.14	0.128400
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506.80	0.14	0.131566
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512.80	0.14	0.133563
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517.60	0.14	0.135170
517.80	0.14	0.135238
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518.80	0.14	0.135574
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519.60	0.14	0.135843
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520.80	0.14	0.136247
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530.00	0.14	0.139364
530.20	0.14	0.139432
530.40	0.14	0.139500
530.60	0.14	0.139568
530.80	0.14	0.139637
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531.20	0.14	0.139773
531.40	0.14	0.139841
531.60	0.14	0.139910
531.80	0.14	0.139978
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532.40	0.14	0.140183
532.60	0.14	0.140251
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544.00	0.14	0.144172
544.20	0.14	0.144242
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544.60	0.14	0.144380
544.80	0.14	0.144450

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596.80	0.14	0.163058
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602.80	0.14	0.165284
603.00	0.14	0.165358
603.20	0.14	0.165433
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603.60	0.14	0.165582
603.80	0.14	0.165657
604.00	0.14	0.165731
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604.80	0.14	0.166030
605.00	0.14	0.166104
605.20	0.14	0.166179
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605.60	0.14	0.166329
605.80	0.14	0.166403
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606.60	0.14	0.166703
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607.20	0.14	0.166927
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607.60	0.14	0.167077
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618.60	0.14	0.171228
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619.80	0.14	0.171685
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620.60	0.14	0.171990
620.80	0.14	0.172066
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621.60	0.14	0.172371
621.80	0.14	0.172447
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622.20	0.14	0.172600
622.40	0.14	0.172677
622.60	0.14	0.172753
622.80	0.14	0.172829
623.00	0.14	0.172906
623.20	0.14	0.172982
623.40	0.14	0.173059
623.60	0.14	0.173135
623.80	0.14	0.173212
624.00	0.14	0.173288
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624.40	0.14	0.173442
624.60	0.14	0.173518

624.80	0.14	0.173595
625.00	0.14	0.173672
625.20	0.14	0.173748
625.40	0.14	0.173825
625.60	0.14	0.173902
625.80	0.14	0.173978
626.00	0.14	0.174055
626.20	0.14	0.174132
626.40	0.14	0.174209
626.60	0.14	0.174286
626.80	0.14	0.174362
627.00	0.14	0.174439
627.20	0.14	0.174516
627.40	0.14	0.174593
627.60	0.14	0.174670
627.80	0.14	0.174747
628.00	0.14	0.174824
628.20	0.14	0.174901
628.40	0.14	0.174978
628.60	0.14	0.175055
628.80	0.14	0.175132
629.00	0.14	0.175209
629.20	0.14	0.175286
629.40	0.14	0.175363
629.60	0.14	0.175440
629.80	0.14	0.175518
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630.80	0.14	0.175904
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710.00	0.14	0.208252
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714.40	0.14	0.210161
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714.80	0.14	0.210335
715.00	0.14	0.210422
715.20	0.14	0.210509
715.40	0.14	0.210596
715.60	0.14	0.210684
715.80	0.14	0.210771

716.00	0.14	0.210858
716.20	0.14	0.210946
716.40	0.14	0.211033
716.60	0.14	0.211120
716.80	0.14	0.211208
717.00	0.14	0.211295
717.20	0.14	0.211382
717.40	0.14	0.211470
717.60	0.14	0.211557
717.80	0.14	0.211645
718.00	0.14	0.211732
718.20	0.14	0.211820
718.40	0.14	0.211908
718.60	0.14	0.211995
718.80	0.14	0.212083
719.00	0.14	0.212170
719.20	0.14	0.212258
719.40	0.14	0.212346
719.60	0.14	0.212434
719.80	0.14	0.212521
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720.20	0.14	0.212697
720.40	0.14	0.212785
720.60	0.14	0.212873
720.80	0.14	0.212961
721.00	0.14	0.213049
721.20	0.14	0.213136
721.40	0.14	0.213224
721.60	0.14	0.213312
721.80	0.14	0.213401
722.00	0.14	0.213489
722.20	0.14	0.213577
722.40	0.14	0.213665
722.60	0.14	0.213753
722.80	0.14	0.213841
723.00	0.14	0.213929
723.20	0.14	0.214018
723.40	0.14	0.214106
723.60	0.14	0.214194
723.80	0.14	0.214282
724.00	0.14	0.214371
724.20	0.14	0.214459
724.40	0.14	0.214548
724.60	0.14	0.214636
724.80	0.14	0.214724
725.00	0.14	0.214813
725.20	0.14	0.214901
725.40	0.14	0.214990
725.60	0.14	0.215079
725.80	0.14	0.215167
726.00	0.14	0.215256
726.20	0.14	0.215344
726.40	0.14	0.215433
726.60	0.14	0.215522
726.80	0.14	0.215611
727.00	0.14	0.215699
727.20	0.14	0.215788

727.40	0.14	0.215877
727.60	0.14	0.215966
727.80	0.14	0.216055
728.00	0.14	0.216144
728.20	0.14	0.216232
728.40	0.14	0.216321
728.60	0.14	0.216410
728.80	0.14	0.216499
729.00	0.14	0.216588
729.20	0.14	0.216678
729.40	0.14	0.216767
729.60	0.14	0.216856
729.80	0.14	0.216945
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730.40	0.14	0.217212
730.60	0.14	0.217302
730.80	0.14	0.217391
731.00	0.14	0.217480
731.20	0.14	0.217570
731.40	0.14	0.217659
731.60	0.14	0.217749
731.80	0.14	0.217838
732.00	0.14	0.217928
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732.40	0.14	0.218107
732.60	0.14	0.218196
732.80	0.14	0.218286
733.00	0.14	0.218375
733.20	0.14	0.218465
733.40	0.14	0.218555
733.60	0.14	0.218644
733.80	0.14	0.218734
734.00	0.14	0.218824
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734.40	0.14	0.219003
734.60	0.14	0.219093
734.80	0.14	0.219183
735.00	0.14	0.219273
735.20	0.14	0.219363
735.40	0.14	0.219453
735.60	0.14	0.219543
735.80	0.14	0.219633
736.00	0.14	0.219723
736.20	0.14	0.219813
736.40	0.14	0.219903
736.60	0.14	0.219993
736.80	0.14	0.220083
737.00	0.14	0.220173
737.20	0.14	0.220264
737.40	0.14	0.220354
737.60	0.14	0.220444
737.80	0.14	0.220535
738.00	0.14	0.220625
738.20	0.14	0.220715
738.40	0.14	0.220806
738.60	0.14	0.220896

738.80	0.14	0.220986
739.00	0.14	0.221077
739.20	0.14	0.221167
739.40	0.14	0.221258
739.60	0.14	0.221348
739.80	0.14	0.221439
740.00	0.14	0.221530
740.20	0.14	0.221620
740.40	0.14	0.221711
740.60	0.14	0.221802
740.80	0.14	0.221892
741.00	0.14	0.221983
741.20	0.14	0.222074
741.40	0.14	0.222165
741.60	0.14	0.222256
741.80	0.14	0.222347
742.00	0.14	0.222437
742.20	0.14	0.222528
742.40	0.14	0.222619
742.60	0.14	0.222710
742.80	0.14	0.222801
743.00	0.14	0.222892
743.20	0.14	0.222984
743.40	0.14	0.223075
743.60	0.14	0.223166
743.80	0.14	0.223257
744.00	0.14	0.223348
744.20	0.14	0.223439
744.40	0.14	0.223531
744.60	0.14	0.223622
744.80	0.14	0.223713
745.00	0.14	0.223805
745.20	0.14	0.223896
745.40	0.14	0.223987
745.60	0.14	0.224079
745.80	0.14	0.224170
746.00	0.14	0.224262
746.20	0.14	0.224353
746.40	0.14	0.224445
746.60	0.14	0.224537
746.80	0.14	0.224628
747.00	0.14	0.224720
747.20	0.14	0.224811
747.40	0.14	0.224903
747.60	0.14	0.224995
747.80	0.14	0.225087
748.00	0.14	0.225178
748.20	0.14	0.225270
748.40	0.14	0.225362
748.60	0.14	0.225454
748.80	0.14	0.225546
749.00	0.14	0.225638
749.20	0.14	0.225730
749.40	0.14	0.225822
749.60	0.14	0.225914
749.80	0.14	0.226006
750.00	0.14	0.226098

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750.40	0.14	0.226282
750.60	0.14	0.226375
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751.00	0.14	0.226559
751.20	0.14	0.226651
751.40	0.14	0.226744
751.60	0.14	0.226836
751.80	0.14	0.226928
752.00	0.14	0.227021
752.20	0.14	0.227113
752.40	0.14	0.227206
752.60	0.14	0.227298
752.80	0.14	0.227391
753.00	0.14	0.227483
753.20	0.14	0.227576
753.40	0.14	0.227668
753.60	0.14	0.227761
753.80	0.14	0.227854
754.00	0.14	0.227946
754.20	0.14	0.228039
754.40	0.14	0.228132
754.60	0.14	0.228225
754.80	0.14	0.228318
755.00	0.14	0.228410
755.20	0.14	0.228503
755.40	0.14	0.228596
755.60	0.14	0.228689
755.80	0.14	0.228782
756.00	0.14	0.228875
756.20	0.14	0.228968
756.40	0.14	0.229061
756.60	0.14	0.229154
756.80	0.14	0.229248
757.00	0.14	0.229341
757.20	0.14	0.229434
757.40	0.14	0.229527
757.60	0.14	0.229620
757.80	0.14	0.229714
758.00	0.14	0.229807
758.20	0.14	0.229900
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758.60	0.14	0.230087
758.80	0.14	0.230181
759.00	0.14	0.230274
759.20	0.14	0.230368
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759.60	0.14	0.230555
759.80	0.14	0.230648
760.00	0.14	0.230742
760.20	0.14	0.230836
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760.60	0.14	0.231023
760.80	0.14	0.231117
761.00	0.14	0.231211
761.20	0.14	0.231304
761.40	0.14	0.231398

761.60	0.14	0.231492
761.80	0.14	0.231586
762.00	0.14	0.231680
762.20	0.14	0.231774
762.40	0.14	0.231868
762.60	0.14	0.231962
762.80	0.14	0.232056
763.00	0.14	0.232150
763.20	0.14	0.232244
763.40	0.14	0.232339
763.60	0.14	0.232433
763.80	0.14	0.232527
764.00	0.14	0.232621
764.20	0.14	0.232716
764.40	0.14	0.232810
764.60	0.14	0.232904
764.80	0.14	0.232999
765.00	0.14	0.233093
765.20	0.14	0.233188
765.40	0.14	0.233282
765.60	0.14	0.233377
765.80	0.14	0.233471
766.00	0.14	0.233566
766.20	0.14	0.233660
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766.60	0.14	0.233850
766.80	0.14	0.233944
767.00	0.14	0.234039
767.20	0.14	0.234134
767.40	0.14	0.234229
767.60	0.14	0.234324
767.80	0.14	0.234418
768.00	0.14	0.234513
768.20	0.14	0.234608
768.40	0.14	0.234703
768.60	0.14	0.234798
768.80	0.14	0.234893
769.00	0.14	0.234988
769.20	0.14	0.235083
769.40	0.14	0.235179
769.60	0.14	0.235274
769.80	0.14	0.235369
770.00	0.14	0.235464
770.20	0.14	0.235559
770.40	0.14	0.235655
770.60	0.14	0.235750
770.80	0.14	0.235845
771.00	0.14	0.235941
771.20	0.14	0.236036
771.40	0.14	0.236132
771.60	0.14	0.236227
771.80	0.14	0.236323
772.00	0.14	0.236418
772.20	0.14	0.236514
772.40	0.14	0.236610
772.60	0.14	0.236705
772.80	0.14	0.236801

773.00	0.14	0.236897
773.20	0.14	0.236992
773.40	0.14	0.237088
773.60	0.14	0.237184
773.80	0.14	0.237280
774.00	0.14	0.237376
774.20	0.14	0.237472
774.40	0.14	0.237568
774.60	0.14	0.237664
774.80	0.14	0.237760
775.00	0.14	0.237856
775.20	0.14	0.237952
775.40	0.14	0.238048
775.60	0.14	0.238144
775.80	0.14	0.238240
776.00	0.14	0.238336
776.20	0.14	0.238433
776.40	0.14	0.238529
776.60	0.14	0.238625
776.80	0.14	0.238722
777.00	0.14	0.238818
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777.60	0.14	0.239107
777.80	0.14	0.239204
778.00	0.14	0.239300
778.20	0.14	0.239397
778.40	0.14	0.239494
778.60	0.14	0.239590
778.80	0.14	0.239687
779.00	0.14	0.239784
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779.60	0.14	0.240074
779.80	0.14	0.240171
780.00	0.14	0.240268
780.20	0.14	0.240365
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781.00	0.14	0.240753
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781.60	0.14	0.241044
781.80	0.14	0.241141
782.00	0.14	0.241238
782.20	0.14	0.241336
782.40	0.14	0.241433
782.60	0.14	0.241530
782.80	0.14	0.241628
783.00	0.14	0.241725
783.20	0.14	0.241823
783.40	0.14	0.241920
783.60	0.14	0.242018
783.80	0.14	0.242115
784.00	0.14	0.242213
784.20	0.14	0.242310

784.40	0.14	0.242408
784.60	0.14	0.242506
784.80	0.14	0.242603
785.00	0.14	0.242701
785.20	0.14	0.242799
785.40	0.14	0.242897
785.60	0.14	0.242994
785.80	0.14	0.243092
786.00	0.14	0.243190
786.20	0.14	0.243288
786.40	0.14	0.243386
786.60	0.14	0.243484
786.80	0.14	0.243582
787.00	0.14	0.243680
787.20	0.14	0.243779
787.40	0.14	0.243877
787.60	0.14	0.243975
787.80	0.14	0.244073
788.00	0.14	0.244171
788.20	0.14	0.244270
788.40	0.14	0.244368
788.60	0.14	0.244466
788.80	0.14	0.244565
789.00	0.14	0.244663
789.20	0.14	0.244762
789.40	0.14	0.244860
789.60	0.14	0.244959
789.80	0.14	0.245057
790.00	0.14	0.245156
790.20	0.14	0.245255
790.40	0.14	0.245353
790.60	0.14	0.245452
790.80	0.14	0.245551
791.00	0.14	0.245649
791.20	0.14	0.245748
791.40	0.14	0.245847
791.60	0.14	0.245946
791.80	0.14	0.246045
792.00	0.14	0.246144
792.20	0.14	0.246243
792.40	0.14	0.246342
792.60	0.14	0.246441
792.80	0.14	0.246540
793.00	0.14	0.246639
793.20	0.14	0.246738
793.40	0.14	0.246838
793.60	0.14	0.246937
793.80	0.14	0.247036
794.00	0.14	0.247136
794.20	0.14	0.247235
794.40	0.14	0.247334
794.60	0.14	0.247434
794.80	0.14	0.247533
795.00	0.14	0.247633
795.20	0.14	0.247732
795.40	0.14	0.247832
795.60	0.14	0.247931

795.80	0.14	0.248031
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796.20	0.14	0.248230
796.40	0.14	0.248330
796.60	0.14	0.248430
796.80	0.14	0.248530
797.00	0.14	0.248630
797.20	0.14	0.248730
797.40	0.14	0.248829
797.60	0.14	0.248929
797.80	0.14	0.249029
798.00	0.14	0.249129
798.20	0.14	0.249230
798.40	0.14	0.249330
798.60	0.14	0.249430
798.80	0.14	0.249530
799.00	0.14	0.249630
799.20	0.14	0.249731
799.40	0.14	0.249831
799.60	0.14	0.249931
799.80	0.14	0.250032
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800.40	0.14	0.250333
800.60	0.14	0.250433
800.80	0.14	0.250534
801.00	0.14	0.250634
801.20	0.14	0.250735
801.40	0.14	0.250836
801.60	0.14	0.250936
801.80	0.14	0.251037
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802.20	0.14	0.251239
802.40	0.14	0.251340
802.60	0.14	0.251441
802.80	0.14	0.251541
803.00	0.14	0.251642
803.20	0.14	0.251743
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803.60	0.14	0.251946
803.80	0.14	0.252047
804.00	0.14	0.252148
804.20	0.14	0.252249
804.40	0.14	0.252350
804.60	0.14	0.252451
804.80	0.14	0.252553
805.00	0.14	0.252654
805.20	0.14	0.252755
805.40	0.14	0.252857
805.60	0.14	0.252958
805.80	0.14	0.253060
806.00	0.14	0.253161
806.20	0.14	0.253263
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806.60	0.14	0.253466
806.80	0.14	0.253568
807.00	0.14	0.253669

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807.40	0.14	0.253873
807.60	0.14	0.253975
807.80	0.14	0.254077
808.00	0.14	0.254179
808.20	0.14	0.254280
808.40	0.14	0.254382
808.60	0.14	0.254484
808.80	0.14	0.254587
809.00	0.14	0.254689
809.20	0.14	0.254791
809.40	0.14	0.254893
809.60	0.14	0.254995
809.80	0.14	0.255097
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810.60	0.14	0.255507
810.80	0.14	0.255609
811.00	0.14	0.255712
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811.80	0.14	0.256122
812.00	0.14	0.256225
812.20	0.14	0.256327
812.40	0.14	0.256430
812.60	0.14	0.256533
812.80	0.14	0.256636
813.00	0.14	0.256738
813.20	0.14	0.256841
813.40	0.14	0.256944
813.60	0.14	0.257047
813.80	0.14	0.257150
814.00	0.14	0.257253
814.20	0.14	0.257356
814.40	0.14	0.257459
814.60	0.14	0.257563
814.80	0.14	0.257666
815.00	0.14	0.257769
815.20	0.14	0.257872
815.40	0.14	0.257976
815.60	0.14	0.258079
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816.20	0.14	0.258389
816.40	0.14	0.258493
816.60	0.14	0.258596
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817.00	0.14	0.258804
817.20	0.14	0.258907
817.40	0.14	0.259011
817.60	0.14	0.259115
817.80	0.14	0.259219
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818.20	0.14	0.259426
818.40	0.14	0.259530

818.60	0.14	0.259634
818.80	0.14	0.259738
819.00	0.14	0.259842
819.20	0.14	0.259946
819.40	0.14	0.260050
819.60	0.14	0.260155
819.80	0.14	0.260259
820.00	0.14	0.260363
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820.60	0.14	0.260676
820.80	0.14	0.260780
821.00	0.14	0.260885
821.20	0.14	0.260989
821.40	0.14	0.261094
821.60	0.14	0.261198
821.80	0.14	0.261303
822.00	0.14	0.261407
822.20	0.14	0.261512
822.40	0.14	0.261617
822.60	0.14	0.261722
822.80	0.14	0.261826
823.00	0.14	0.261931
823.20	0.14	0.262036
823.40	0.14	0.262141
823.60	0.14	0.262246
823.80	0.14	0.262351
824.00	0.14	0.262456
824.20	0.14	0.262561
824.40	0.14	0.262666
824.60	0.14	0.262771
824.80	0.14	0.262877
825.00	0.14	0.262982
825.20	0.14	0.263087
825.40	0.14	0.263192
825.60	0.14	0.263298
825.80	0.14	0.263403
826.00	0.14	0.263509
826.20	0.14	0.263614
826.40	0.14	0.263720
826.60	0.14	0.263825
826.80	0.14	0.263931
827.00	0.14	0.264036
827.20	0.14	0.264142
827.40	0.14	0.264248
827.60	0.14	0.264354
827.80	0.14	0.264459
828.00	0.14	0.264565
828.20	0.14	0.264671
828.40	0.14	0.264777
828.60	0.14	0.264883
828.80	0.14	0.264989
829.00	0.14	0.265095
829.20	0.14	0.265201
829.40	0.14	0.265308
829.60	0.14	0.265414
829.80	0.14	0.265520

830.00	0.14	0.265626
830.20	0.14	0.265733
830.40	0.14	0.265839
830.60	0.14	0.265945
830.80	0.14	0.266052
831.00	0.14	0.266158
831.20	0.14	0.266265
831.40	0.14	0.266371
831.60	0.14	0.266478
831.80	0.14	0.266585
832.00	0.14	0.266691
832.20	0.14	0.266798
832.40	0.14	0.266905
832.60	0.14	0.267012
832.80	0.14	0.267118
833.00	0.14	0.267225
833.20	0.14	0.267332
833.40	0.14	0.267439
833.60	0.14	0.267546
833.80	0.14	0.267653
834.00	0.14	0.267760
834.20	0.14	0.267868
834.40	0.14	0.267975
834.60	0.14	0.268082
834.80	0.14	0.268189
835.00	0.14	0.268297
835.20	0.14	0.268404
835.40	0.14	0.268511
835.60	0.14	0.268619
835.80	0.14	0.268726
836.00	0.14	0.268834
836.20	0.14	0.268941
836.40	0.14	0.269049
836.60	0.14	0.269157
836.80	0.14	0.269264
837.00	0.14	0.269372
837.20	0.14	0.269480
837.40	0.14	0.269588
837.60	0.14	0.269696
837.80	0.14	0.269804
838.00	0.14	0.269912
838.20	0.14	0.270020
838.40	0.14	0.270128
838.60	0.14	0.270236
838.80	0.14	0.270344
839.00	0.14	0.270452
839.20	0.14	0.270560
839.40	0.14	0.270669
839.60	0.14	0.270777
839.80	0.14	0.270885
840.00	0.14	0.270994
840.20	0.14	0.271102
840.40	0.14	0.271211
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840.80	0.14	0.271428
841.00	0.14	0.271536
841.20	0.14	0.271645

841.40	0.14	0.271754
841.60	0.14	0.271863
841.80	0.14	0.271971
842.00	0.14	0.272080
842.20	0.14	0.272189
842.40	0.14	0.272298
842.60	0.14	0.272407
842.80	0.14	0.272516
843.00	0.14	0.272625
843.20	0.14	0.272734
843.40	0.14	0.272843
843.60	0.14	0.272953
843.80	0.14	0.273062
844.00	0.14	0.273171
844.20	0.14	0.273280
844.40	0.14	0.273390
844.60	0.14	0.273499
844.80	0.14	0.273609
845.00	0.14	0.273718
845.20	0.14	0.273828
845.40	0.14	0.273937
845.60	0.14	0.274047
845.80	0.14	0.274157
846.00	0.14	0.274266
846.20	0.14	0.274376
846.40	0.14	0.274486
846.60	0.14	0.274596
846.80	0.14	0.274706
847.00	0.14	0.274816
847.20	0.14	0.274926
847.40	0.14	0.275036
847.60	0.14	0.275146
847.80	0.14	0.275256
848.00	0.14	0.275366
848.20	0.14	0.275476
848.40	0.14	0.275587
848.60	0.14	0.275697
848.80	0.14	0.275807
849.00	0.14	0.275918
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849.60	0.14	0.276249
849.80	0.14	0.276360
850.00	0.14	0.276471
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850.60	0.14	0.276803
850.80	0.14	0.276914
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851.40	0.14	0.277246
851.60	0.14	0.277357
851.80	0.14	0.277468
852.00	0.14	0.277580
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852.60	0.14	0.277913

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853.00	0.14	0.278136
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853.80	0.14	0.278582
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854.20	0.14	0.278805
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854.60	0.14	0.279028
854.80	0.14	0.279140
855.00	0.14	0.279252
855.20	0.14	0.279364
855.40	0.14	0.279475
855.60	0.14	0.279587
855.80	0.14	0.279699
856.00	0.14	0.279811
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856.40	0.14	0.280036
856.60	0.14	0.280148
856.80	0.14	0.280260
857.00	0.14	0.280372
857.20	0.14	0.280485
857.40	0.14	0.280597
857.60	0.14	0.280709
857.80	0.14	0.280822
858.00	0.14	0.280934
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858.60	0.14	0.281272
858.80	0.14	0.281385
859.00	0.14	0.281498
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859.60	0.14	0.281836
859.80	0.14	0.281949
860.00	0.14	0.282062
860.20	0.14	0.282175
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860.60	0.14	0.282401
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861.00	0.14	0.282628
861.20	0.14	0.282741
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861.60	0.14	0.282968
861.80	0.14	0.283081
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862.20	0.14	0.283308
862.40	0.14	0.283422
862.60	0.14	0.283535
862.80	0.14	0.283649
863.00	0.14	0.283763
863.20	0.14	0.283877
863.40	0.14	0.283990
863.60	0.14	0.284104
863.80	0.14	0.284218
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864.80	0.14	0.284788
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865.20	0.14	0.285017
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865.60	0.14	0.285246
865.80	0.14	0.285360
866.00	0.14	0.285474
866.20	0.14	0.285589
866.40	0.14	0.285704
866.60	0.14	0.285818
866.80	0.14	0.285933
867.00	0.14	0.286047
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867.60	0.14	0.286392
867.80	0.14	0.286507
868.00	0.14	0.286622
868.20	0.14	0.286737
868.40	0.14	0.286852
868.60	0.14	0.286967
868.80	0.14	0.287082
869.00	0.14	0.287197
869.20	0.14	0.287313
869.40	0.14	0.287428
869.60	0.14	0.287543
869.80	0.14	0.287659
870.00	0.14	0.287774
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870.40	0.14	0.288005
870.60	0.14	0.288121
870.80	0.14	0.288236
871.00	0.14	0.288352
871.20	0.14	0.288468
871.40	0.14	0.288584
871.60	0.14	0.288700
871.80	0.14	0.288815
872.00	0.14	0.288931
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872.40	0.14	0.289164
872.60	0.14	0.289280
872.80	0.14	0.289396
873.00	0.14	0.289512
873.20	0.14	0.289628
873.40	0.14	0.289745
873.60	0.14	0.289861
873.80	0.14	0.289977
874.00	0.14	0.290094
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874.60	0.14	0.290444
874.80	0.14	0.290560
875.00	0.14	0.290677
875.20	0.14	0.290794
875.40	0.14	0.290911

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875.80	0.14	0.291145
876.00	0.14	0.291262
876.20	0.14	0.291379
876.40	0.14	0.291496
876.60	0.14	0.291613
876.80	0.14	0.291730
877.00	0.14	0.291847
877.20	0.14	0.291965
877.40	0.14	0.292082
877.60	0.14	0.292199
877.80	0.14	0.292317
878.00	0.14	0.292434
878.20	0.14	0.292552
878.40	0.14	0.292670
878.60	0.14	0.292787
878.80	0.14	0.292905
879.00	0.14	0.293023
879.20	0.14	0.293141
879.40	0.14	0.293259
879.60	0.14	0.293377
879.80	0.14	0.293495
880.00	0.14	0.293613
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880.40	0.14	0.293849
880.60	0.14	0.293967
880.80	0.14	0.294085
881.00	0.14	0.294204
881.20	0.14	0.294322
881.40	0.14	0.294441
881.60	0.14	0.294559
881.80	0.14	0.294678
882.00	0.14	0.294796
882.20	0.14	0.294915
882.40	0.14	0.295034
882.60	0.14	0.295152
882.80	0.14	0.295271
883.00	0.14	0.295390
883.20	0.14	0.295509
883.40	0.14	0.295628
883.60	0.14	0.295747
883.80	0.14	0.295866
884.00	0.14	0.295985
884.20	0.14	0.296104
884.40	0.14	0.296224
884.60	0.14	0.296343
884.80	0.14	0.296462
885.00	0.14	0.296582
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885.60	0.14	0.296940
885.80	0.14	0.297060
886.00	0.14	0.297180
886.20	0.14	0.297299
886.40	0.14	0.297419
886.60	0.14	0.297539
886.80	0.14	0.297659

887.00	0.14	0.297779
887.20	0.14	0.297899
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887.60	0.14	0.298139
887.80	0.14	0.298259
888.00	0.14	0.298380
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888.40	0.14	0.298620
888.60	0.14	0.298741
888.80	0.14	0.298861
889.00	0.14	0.298982
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889.40	0.14	0.299223
889.60	0.14	0.299344
889.80	0.14	0.299464
890.00	0.14	0.299585
890.20	0.14	0.299706
890.40	0.14	0.299827
890.60	0.14	0.299948
890.80	0.14	0.300069
891.00	0.14	0.300190
891.20	0.14	0.300311
891.40	0.14	0.300432
891.60	0.14	0.300553
891.80	0.14	0.300675
892.00	0.15	0.300792
892.20	0.16	0.300907
892.40	0.17	0.301018
892.60	0.19	0.301126
892.80	0.20	0.301231
893.00	0.21	0.301333
893.20	0.22	0.301433
893.40	0.23	0.301529
893.60	0.24	0.301623
893.80	0.25	0.301714
894.00	0.26	0.301803
894.20	0.27	0.301889
894.40	0.28	0.301973
894.60	0.28	0.302054
894.80	0.29	0.302133
895.00	0.30	0.302210
895.20	0.31	0.302285
895.40	0.32	0.302358
895.60	0.32	0.302428
895.80	0.33	0.302497
896.00	0.34	0.302564
896.20	0.35	0.302629
896.40	0.35	0.302692
896.60	0.36	0.302753
896.80	0.37	0.302813
897.00	0.37	0.302871
897.20	0.38	0.302928
897.40	0.38	0.302982
897.60	0.39	0.303036
897.80	0.40	0.303088
898.00	0.40	0.303138
898.20	0.41	0.303187

898.40	0.41	0.303235
898.60	0.42	0.303282
898.80	0.42	0.303327
899.00	0.43	0.303371
899.20	0.43	0.303414
899.40	0.43	0.303455
899.60	0.44	0.303496
899.80	0.44	0.303535
900.00	0.45	0.303573
900.20	0.45	0.303611
900.40	0.45	0.303647
900.60	0.46	0.303682
900.80	0.46	0.303717
901.00	0.47	0.303750
901.20	0.47	0.303783
901.40	0.47	0.303814
901.60	0.48	0.303845
901.80	0.48	0.303875
902.00	0.48	0.303904
902.20	0.49	0.303933
902.40	0.49	0.303960
902.60	0.49	0.303987
902.80	0.49	0.304014
903.00	0.50	0.304039
903.20	0.50	0.304064
903.40	0.50	0.304088
903.60	0.50	0.304112
903.80	0.51	0.304135
904.00	0.51	0.304157
904.20	0.51	0.304179
904.40	0.51	0.304200
904.60	0.52	0.304221
904.80	0.52	0.304241
905.00	0.52	0.304261
905.20	0.52	0.304280
905.40	0.52	0.304298
905.60	0.53	0.304317
905.80	0.53	0.304334
906.00	0.53	0.304352
906.20	0.53	0.304368
906.40	0.53	0.304385
906.60	0.54	0.304401
906.80	0.54	0.304416
907.00	0.54	0.304432
907.20	0.54	0.304447
907.40	0.54	0.304461
907.60	0.54	0.304475
907.80	0.54	0.304489
908.00	0.55	0.304503
908.20	0.55	0.304516
908.40	0.55	0.304528
908.60	0.55	0.304541
908.80	0.55	0.304553
909.00	0.55	0.304565
909.20	0.55	0.304577
909.40	0.56	0.304588
909.60	0.56	0.304599

909.80	0.56	0.304610
910.00	0.56	0.304621
910.20	0.56	0.304631
910.40	0.56	0.304641
910.60	0.56	0.304651
910.80	0.56	0.304661
911.00	0.56	0.304671
911.20	0.56	0.304680
911.40	0.57	0.304689
911.60	0.57	0.304698
911.80	0.57	0.304706
912.00	0.57	0.304715
912.20	0.57	0.304723
912.40	0.57	0.304731
912.60	0.57	0.304739
912.80	0.57	0.304747
913.00	0.57	0.304755
913.20	0.57	0.304762
913.40	0.57	0.304770
913.60	0.58	0.304777
913.80	0.58	0.304784
914.00	0.58	0.304791
914.20	0.58	0.304798
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914.60	0.58	0.304811
914.80	0.58	0.304817
915.00	0.58	0.304824
915.20	0.58	0.304830
915.40	0.58	0.304836
915.60	0.58	0.304842
915.80	0.58	0.304848
916.00	0.58	0.304853
916.20	0.58	0.304859
916.40	0.58	0.304865
916.60	0.59	0.304870
916.80	0.59	0.304875
917.00	0.59	0.304881
917.20	0.59	0.304886
917.40	0.59	0.304891
917.60	0.59	0.304896
917.80	0.59	0.304901
918.00	0.59	0.304906
918.20	0.59	0.304911
918.40	0.59	0.304915
918.60	0.59	0.304920
918.80	0.59	0.304925
919.00	0.59	0.304929
919.20	0.59	0.304934
919.40	0.59	0.304938
919.60	0.59	0.304942
919.80	0.59	0.304947
920.00	0.59	0.304951
920.20	0.59	0.304955
920.40	0.59	0.304959
920.60	0.60	0.304963
920.80	0.60	0.304967
921.00	0.60	0.304971

921.20	0.60	0.304975
921.40	0.60	0.304979
921.60	0.60	0.304983
921.80	0.60	0.304987
922.00	0.60	0.304990
922.20	0.60	0.304994
922.40	0.60	0.304998
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922.80	0.60	0.305005
923.00	0.60	0.305009
923.20	0.60	0.305012
923.40	0.60	0.305016
923.60	0.60	0.305019
923.80	0.60	0.305023
924.00	0.60	0.305026
924.20	0.60	0.305029
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925.60	0.60	0.305052
925.80	0.60	0.305055
926.00	0.61	0.305059
926.20	0.61	0.305062
926.40	0.61	0.305065
926.60	0.61	0.305068
926.80	0.61	0.305071
927.00	0.61	0.305074
927.20	0.61	0.305077
927.40	0.61	0.305080
927.60	0.61	0.305083
927.80	0.61	0.305086
928.00	0.61	0.305089
928.20	0.61	0.305092
928.40	0.61	0.305095
928.60	0.61	0.305098
928.80	0.61	0.305101
929.00	0.61	0.305104
929.20	0.61	0.305106
929.40	0.61	0.305109
929.60	0.61	0.305112
929.80	0.61	0.305115
930.00	0.61	0.305118
930.20	0.61	0.305121
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931.60	0.61	0.305140
931.80	0.61	0.305143
932.00	0.61	0.305146
932.20	0.61	0.305149
932.40	0.61	0.305151

932.60	0.62	0.305154
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1040.40	0.83	0.307218
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1040.80	0.83	0.307230
1041.00	0.83	0.307236
1041.20	0.83	0.307243
1041.40	0.84	0.307249
1041.60	0.84	0.307255
1041.80	0.84	0.307261
1042.00	0.84	0.307268
1042.20	0.84	0.307274
1042.40	0.84	0.307280
1042.60	0.84	0.307287
1042.80	0.84	0.307293
1043.00	0.84	0.307299
1043.20	0.84	0.307306
1043.40	0.84	0.307312
1043.60	0.84	0.307319
1043.80	0.84	0.307325
1044.00	0.84	0.307332
1044.20	0.84	0.307338
1044.40	0.85	0.307344
1044.60	0.85	0.307351
1044.80	0.85	0.307357
1045.00	0.85	0.307364
1045.20	0.85	0.307371
1045.40	0.85	0.307377
1045.60	0.85	0.307384
1045.80	0.85	0.307390
1046.00	0.85	0.307397
1046.20	0.85	0.307404
1046.40	0.85	0.307410

1046.60	0.85	0.307417
1046.80	0.85	0.307424
1047.00	0.85	0.307430
1047.20	0.86	0.307437
1047.40	0.86	0.307444
1047.60	0.86	0.307451
1047.80	0.86	0.307457
1048.00	0.86	0.307464
1048.20	0.86	0.307471
1048.40	0.86	0.307478
1048.60	0.86	0.307485
1048.80	0.86	0.307491
1049.00	0.86	0.307498
1049.20	0.86	0.307505
1049.40	0.86	0.307512
1049.60	0.86	0.307519
1049.80	0.86	0.307526
1050.00	0.87	0.307533
1050.20	0.87	0.307540
1050.40	0.87	0.307547
1050.60	0.87	0.307554
1050.80	0.87	0.307561
1051.00	0.87	0.307568
1051.20	0.87	0.307575
1051.40	0.87	0.307582
1051.60	0.87	0.307589
1051.80	0.87	0.307597
1052.00	0.87	0.307604
1052.20	0.87	0.307611
1052.40	0.87	0.307618
1052.60	0.88	0.307625
1052.80	0.88	0.307633
1053.00	0.88	0.307640
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1053.60	0.88	0.307662
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1054.20	0.88	0.307684
1054.40	0.88	0.307691
1054.60	0.88	0.307699
1054.80	0.88	0.307706
1055.00	0.88	0.307714
1055.20	0.89	0.307721
1055.40	0.89	0.307729
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1055.80	0.89	0.307744
1056.00	0.89	0.307751
1056.20	0.89	0.307759
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1056.60	0.89	0.307774
1056.80	0.89	0.307782
1057.00	0.89	0.307790
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1057.40	0.89	0.307805
1057.60	0.89	0.307813
1057.80	0.90	0.307820

1058.00	0.90	0.307828
1058.20	0.90	0.307836
1058.40	0.90	0.307844
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1058.80	0.90	0.307860
1059.00	0.90	0.307867
1059.20	0.90	0.307875
1059.40	0.90	0.307883
1059.60	0.90	0.307891
1059.80	0.90	0.307899
1060.00	0.90	0.307907
1060.20	0.91	0.307915
1060.40	0.91	0.307923
1060.60	0.91	0.307932
1060.80	0.91	0.307940
1061.00	0.91	0.307948
1061.20	0.91	0.307956
1061.40	0.91	0.307964
1061.60	0.91	0.307972
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1062.20	0.91	0.307997
1062.40	0.91	0.308005
1062.60	0.92	0.308014
1062.80	0.92	0.308022
1063.00	0.92	0.308031
1063.20	0.92	0.308039
1063.40	0.92	0.308047
1063.60	0.92	0.308056
1063.80	0.92	0.308064
1064.00	0.92	0.308073
1064.20	0.92	0.308081
1064.40	0.92	0.308090
1064.60	0.92	0.308099
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1065.20	0.93	0.308125
1065.40	0.93	0.308133
1065.60	0.93	0.308142
1065.80	0.93	0.308151
1066.00	0.93	0.308160
1066.20	0.93	0.308168
1066.40	0.93	0.308177
1066.60	0.93	0.308186
1066.80	0.93	0.308195
1067.00	0.94	0.308204
1067.20	0.94	0.308213
1067.40	0.94	0.308222
1067.60	0.94	0.308231
1067.80	0.94	0.308240
1068.00	0.94	0.308249
1068.20	0.94	0.308258
1068.40	0.94	0.308267
1068.60	0.94	0.308276
1068.80	0.94	0.308285
1069.00	0.95	0.308295
1069.20	0.95	0.308304

1069.40	0.95	0.308313
1069.60	0.95	0.308322
1069.80	0.95	0.308332
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1070.20	0.95	0.308350
1070.40	0.95	0.308360
1070.60	0.95	0.308369
1070.80	0.95	0.308379
1071.00	0.96	0.308388
1071.20	0.96	0.308398
1071.40	0.96	0.308407
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1072.00	0.96	0.308436
1072.20	0.96	0.308446
1072.40	0.96	0.308456
1072.60	0.96	0.308466
1072.80	0.96	0.308475
1073.00	0.97	0.308485
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1073.60	0.97	0.308515
1073.80	0.97	0.308525
1074.00	0.97	0.308535
1074.20	0.97	0.308546
1074.40	0.97	0.308556
1074.60	0.97	0.308566
1074.80	0.97	0.308577
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1075.40	0.98	0.308608
1075.60	0.98	0.308618
1075.80	0.98	0.308629
1076.00	0.98	0.308640
1076.20	0.98	0.308651
1076.40	0.98	0.308661
1076.60	0.98	0.308672
1076.80	0.99	0.308683
1077.00	0.99	0.308694
1077.20	0.99	0.308705
1077.40	0.99	0.308716
1077.60	0.99	0.308727
1077.80	0.99	0.308738
1078.00	0.99	0.308750
1078.20	0.99	0.308761
1078.40	1.00	0.308772
1078.60	1.00	0.308784
1078.80	1.00	0.308795
1079.00	1.00	0.308807
1079.20	1.00	0.308818
1079.40	1.00	0.308830
1079.60	1.00	0.308841
1079.80	1.00	0.308853
1080.00	1.01	0.308865
1080.20	1.01	0.308877
1080.40	1.01	0.308888
1080.60	1.01	0.308900

1080.80	1.01	0.308912
1081.00	1.01	0.308924
1081.20	1.01	0.308936
1081.40	1.01	0.308949
1081.60	1.02	0.308961
1081.80	1.02	0.308973
1082.00	1.02	0.308985
1082.20	1.02	0.308998
1082.40	1.02	0.309010
1082.60	1.02	0.309023
1082.80	1.02	0.309035
1083.00	1.02	0.309048
1083.20	1.03	0.309060
1083.40	1.03	0.309073
1083.60	1.03	0.309086
1083.80	1.03	0.309098
1084.00	1.03	0.309111
1084.20	1.03	0.309124
1084.40	1.03	0.309137
1084.60	1.04	0.309150
1084.80	1.04	0.309163
1085.00	1.04	0.309176
1085.20	1.04	0.309190
1085.40	1.04	0.309203
1085.60	1.04	0.309216
1085.80	1.04	0.309230
1086.00	1.04	0.309243
1086.20	1.05	0.309256
1086.40	1.05	0.309270
1086.60	1.05	0.309284
1086.80	1.05	0.309297
1087.00	1.05	0.309311
1087.20	1.05	0.309325
1087.40	1.05	0.309339
1087.60	1.06	0.309353
1087.80	1.06	0.309367
1088.00	1.06	0.309381
1088.20	1.06	0.309395
1088.40	1.06	0.309409
1088.60	1.06	0.309423
1088.80	1.07	0.309437
1089.00	1.07	0.309452
1089.20	1.07	0.309466
1089.40	1.07	0.309481
1089.60	1.07	0.309495
1089.80	1.07	0.309510
1090.00	1.07	0.309524
1090.20	1.08	0.309539
1090.40	1.08	0.309554
1090.60	1.08	0.309569
1090.80	1.08	0.309584
1091.00	1.08	0.309599
1091.20	1.08	0.309614
1091.40	1.09	0.309629
1091.60	1.09	0.309644
1091.80	1.09	0.309660
1092.00	1.09	0.309675

1092.20	1.09	0.309691
1092.40	1.09	0.309706
1092.60	1.10	0.309722
1092.80	1.10	0.309737
1093.00	1.10	0.309753
1093.20	1.10	0.309769
1093.40	1.10	0.309785
1093.60	1.10	0.309801
1093.80	1.11	0.309817
1094.00	1.11	0.309833
1094.20	1.11	0.309849
1094.40	1.11	0.309865
1094.60	1.11	0.309882
1094.80	1.11	0.309898
1095.00	1.12	0.309915
1095.20	1.12	0.309931
1095.40	1.12	0.309948
1095.60	1.12	0.309965
1095.80	1.12	0.309982
1096.00	1.12	0.309998
1096.20	1.13	0.310015
1096.40	1.13	0.310033
1096.60	1.13	0.310050
1096.80	1.13	0.310067
1097.00	1.13	0.310084
1097.20	1.14	0.310102
1097.40	1.14	0.310119
1097.60	1.14	0.310137
1097.80	1.14	0.310154
1098.00	1.14	0.310172
1098.20	1.14	0.310190
1098.40	1.15	0.310208
1098.60	1.15	0.310226
1098.80	1.15	0.310244
1099.00	1.15	0.310263
1099.20	1.15	0.310281
1099.40	1.16	0.310299
1099.60	1.16	0.310318
1099.80	1.16	0.310336
1100.00	1.16	0.310355
1100.20	1.16	0.310374
1100.40	1.17	0.310393
1100.60	1.17	0.310412
1100.80	1.17	0.310431
1101.00	1.17	0.310450
1101.20	1.17	0.310469
1101.40	1.18	0.310489
1101.60	1.18	0.310508
1101.80	1.18	0.310528
1102.00	1.18	0.310548
1102.20	1.18	0.310567
1102.40	1.19	0.310587
1102.60	1.19	0.310607
1102.80	1.19	0.310628
1103.00	1.19	0.310648
1103.20	1.19	0.310668
1103.40	1.20	0.310689

1103.60	1.20	0.310709
1103.80	1.20	0.310730
1104.00	1.20	0.310751
1104.20	1.21	0.310772
1104.40	1.21	0.310793
1104.60	1.21	0.310814
1104.80	1.21	0.310835
1105.00	1.21	0.310857
1105.20	1.22	0.310878
1105.40	1.22	0.310900
1105.60	1.22	0.310922
1105.80	1.22	0.310944
1106.00	1.23	0.310966
1106.20	1.23	0.310988
1106.40	1.23	0.311010
1106.60	1.23	0.311033
1106.80	1.24	0.311055
1107.00	1.24	0.311078
1107.20	1.24	0.311101
1107.40	1.24	0.311124
1107.60	1.24	0.311147
1107.80	1.25	0.311170
1108.00	1.25	0.311193
1108.20	1.25	0.311217
1108.40	1.25	0.311241
1108.60	1.26	0.311264
1108.80	1.26	0.311288
1109.00	1.26	0.311313
1109.20	1.26	0.311337
1109.40	1.27	0.311361
1109.60	1.27	0.311386
1109.80	1.27	0.311410
1110.00	1.27	0.311435
1110.20	1.28	0.311460
1110.40	1.28	0.311485
1110.60	1.28	0.311511
1110.80	1.29	0.311536
1111.00	1.29	0.311562
1111.20	1.29	0.311588
1111.40	1.29	0.311614
1111.60	1.30	0.311640
1111.80	1.30	0.311666
1112.00	1.30	0.311693
1112.20	1.30	0.311719
1112.40	1.31	0.311746
1112.60	1.31	0.311772
1112.80	1.31	0.311799
1113.00	1.32	0.311826
1113.20	1.32	0.311854
1113.40	1.32	0.311881
1113.60	1.32	0.311908
1113.80	1.33	0.311936
1114.00	1.33	0.311964
1114.20	1.33	0.311992
1114.40	1.34	0.312020
1114.60	1.34	0.312048
1114.80	1.34	0.312076

1115.00	1.35	0.312105
1115.20	1.35	0.312134
1115.40	1.35	0.312162
1115.60	1.35	0.312192
1115.80	1.36	0.312221
1116.00	1.36	0.312250
1116.20	1.36	0.312280
1116.40	1.37	0.312310
1116.60	1.37	0.312340
1116.80	1.37	0.312370
1117.00	1.38	0.312400
1117.20	1.38	0.312431
1117.40	1.38	0.312461
1117.60	1.39	0.312492
1117.80	1.39	0.312524
1118.00	1.39	0.312555
1118.20	1.40	0.312586
1118.40	1.40	0.312618
1118.60	1.40	0.312650
1118.80	1.41	0.312683
1119.00	1.41	0.312715
1119.20	1.41	0.312748
1119.40	1.42	0.312781
1119.60	1.42	0.312814
1119.80	1.42	0.312847
1120.00	1.43	0.312881
1120.20	1.43	0.312915
1120.40	1.43	0.312949
1120.60	1.44	0.312983
1120.80	1.44	0.313018
1121.00	1.44	0.313053
1121.20	1.45	0.313088
1121.40	1.45	0.313123
1121.60	1.46	0.313159
1121.80	1.46	0.313195
1122.00	1.46	0.313231
1122.20	1.47	0.313268
1122.40	1.47	0.313305
1122.60	1.47	0.313342
1122.80	1.48	0.313380
1123.00	1.48	0.313417
1123.20	1.49	0.313455
1123.40	1.49	0.313494
1123.60	1.49	0.313532
1123.80	1.50	0.313571
1124.00	1.50	0.313611
1124.20	1.51	0.313651
1124.40	1.51	0.313691
1124.60	1.52	0.313731
1124.80	1.52	0.313772
1125.00	1.52	0.313813
1125.20	1.53	0.313854
1125.40	1.53	0.313896
1125.60	1.54	0.313938
1125.80	1.54	0.313981
1126.00	1.55	0.314024
1126.20	1.55	0.314067

1126.40	1.56	0.314111
1126.60	1.56	0.314155
1126.80	1.56	0.314199
1127.00	1.57	0.314244
1127.20	1.57	0.314290
1127.40	1.58	0.314335
1127.60	1.58	0.314382
1127.80	1.59	0.314428
1128.00	1.59	0.314475
1128.20	1.60	0.314523
1128.40	1.60	0.314571
1128.60	1.61	0.314620
1128.80	1.61	0.314669
1129.00	1.62	0.314718
1129.20	1.62	0.314768
1129.40	1.63	0.314819
1129.60	1.63	0.314870
1129.80	1.64	0.314922
1130.00	1.65	0.314974
1130.20	1.65	0.315026
1130.40	1.66	0.315080
1130.60	1.66	0.315133
1130.80	1.67	0.315188
1131.00	1.67	0.315243
1131.20	1.68	0.315298
1131.40	1.69	0.315355
1131.60	1.69	0.315411
1131.80	1.70	0.315469
1132.00	1.70	0.315527
1132.20	1.71	0.315586
1132.40	1.72	0.315645
1132.60	1.72	0.315705
1132.80	1.73	0.315766
1133.00	1.74	0.315828
1133.20	1.74	0.315890
1133.40	1.75	0.315953
1133.60	1.76	0.316017
1133.80	1.76	0.316082
1134.00	1.77	0.316147
1134.20	1.78	0.316213
1134.40	1.78	0.316280
1134.60	1.79	0.316348
1134.80	1.80	0.316417
1135.00	1.80	0.316487
1135.20	1.81	0.316557
1135.40	1.82	0.316629
1135.60	1.83	0.316701
1135.80	1.83	0.316775
1136.00	1.84	0.316849
1136.20	1.85	0.316925
1136.40	1.86	0.317001
1136.60	1.87	0.317079
1136.80	1.87	0.317157
1137.00	1.88	0.317237
1137.20	1.89	0.317317
1137.40	1.90	0.317399
1137.60	1.91	0.317481

1137.80	1.92	0.317565
1138.00	1.93	0.317650
1138.20	1.93	0.317736
1138.40	1.94	0.317824
1138.60	1.95	0.317913
1138.80	1.96	0.318003
1139.00	1.97	0.318094
1139.20	1.98	0.318187
1139.40	1.99	0.318281
1139.60	2.00	0.318377
1139.80	2.01	0.318474
1140.00	2.02	0.318573
1140.20	2.03	0.318674
1140.40	2.04	0.318776
1140.60	2.05	0.318880
1140.80	2.07	0.318985
1141.00	2.08	0.319093
1141.20	2.09	0.319202
1141.40	2.10	0.319313
1141.60	2.11	0.319427
1141.80	2.12	0.319542
1142.00	2.14	0.319660
1142.20	2.15	0.319780
1142.40	2.16	0.319902
1142.60	2.17	0.320026
1142.80	2.19	0.320153
1143.00	2.20	0.320283
1143.20	2.21	0.320415
1143.40	2.23	0.320550
1143.60	2.24	0.320688
1143.80	2.26	0.320829
1144.00	2.27	0.320974
1144.20	2.29	0.321121
1144.40	2.30	0.321272
1144.60	2.32	0.321426
1144.80	2.34	0.321584
1145.00	2.35	0.321745
1145.20	2.37	0.321911
1145.40	2.39	0.322080
1145.60	2.41	0.322254
1145.80	2.42	0.322432
1146.00	2.44	0.322615
1146.20	2.46	0.322803
1146.40	2.48	0.322996
1146.60	2.50	0.323194
1146.80	2.52	0.323399
1147.00	2.55	0.323609
1147.20	2.57	0.323826
1147.40	2.59	0.324050
1147.60	2.62	0.324281
1147.80	2.64	0.324520
1148.00	2.67	0.324767
1148.20	2.69	0.325024
1148.40	2.72	0.325289
1148.60	2.75	0.325565
1148.80	2.78	0.325852
1149.00	2.81	0.326151

1149.20	2.84	0.326463
1149.40	2.87	0.326789
1149.60	2.91	0.327131
1149.80	2.95	0.327490
1150.00	2.99	0.327868
1150.20	3.03	0.328266
1150.40	3.07	0.328688
1150.60	3.12	0.329137
1150.80	3.16	0.329617
1151.00	3.22	0.330133
1151.20	3.27	0.330692
1151.40	3.33	0.331306
1151.60	3.40	0.331992
1151.80	3.48	0.332786
1152.00	3.58	0.333896
1152.20	3.70	0.335130
1152.40	3.83	0.336371
1152.60	3.96	0.337599
1152.80	4.09	0.338803
1153.00	4.22	0.339976
1153.20	4.34	0.341112
1153.40	4.46	0.342208
1153.60	4.57	0.343261
1153.80	4.68	0.344269
1154.00	4.78	0.345228
1154.20	4.88	0.346137
1154.40	4.97	0.346993
1154.60	5.06	0.347796
1154.80	5.14	0.348542
1155.00	5.22	0.349230
1155.20	5.29	0.349857
1155.40	5.35	0.350419
1155.60	5.40	0.350915
1155.80	5.45	0.351338
1156.00	5.49	0.351684
1156.20	5.53	0.351945
1156.40	5.55	0.352110
1156.60	5.56	0.352163
1156.80	5.56	0.352107
1157.00	5.53	0.351836
1157.20	5.47	0.351308
1157.40	5.41	0.350675
1157.60	5.34	0.350005
1157.80	5.26	0.349313
1158.00	5.19	0.348607
1158.20	5.11	0.347893
1158.40	5.04	0.347175
1158.60	4.96	0.346457
1158.80	4.89	0.345741
1159.00	4.81	0.345029
1159.20	4.74	0.344322
1159.40	4.66	0.343622
1159.60	4.59	0.342929
1159.80	4.52	0.342243
1160.00	4.45	0.341566
1160.20	4.37	0.340898
1160.40	4.30	0.340238

1160.60	4.24	0.339588
1160.80	4.17	0.338948
1161.00	4.10	0.338318
1161.20	4.04	0.337698
1161.40	3.97	0.337088
1161.60	3.91	0.336489
1161.80	3.84	0.335900
1162.00	3.78	0.335321
1162.20	3.72	0.334752
1162.40	3.66	0.334194
1162.60	3.61	0.333645
1162.80	3.55	0.333108
1163.00	3.49	0.332580
1163.20	3.44	0.332062
1163.40	3.38	0.331554
1163.60	3.33	0.331056
1163.80	3.28	0.330567
1164.00	3.23	0.330088
1164.20	3.18	0.329619
1164.40	3.13	0.329158
1164.60	3.08	0.328707
1164.80	3.03	0.328265
1165.00	2.99	0.327832
1165.20	2.94	0.327408
1165.40	2.90	0.326992
1165.60	2.85	0.326584
1165.80	2.81	0.326185
1166.00	2.77	0.325793
1166.20	2.73	0.325410
1166.40	2.69	0.325034
1166.60	2.65	0.324666
1166.80	2.61	0.324305
1167.00	2.57	0.323951
1167.20	2.54	0.323605
1167.40	2.50	0.323266
1167.60	2.47	0.322933
1167.80	2.43	0.322608
1168.00	2.40	0.322289
1168.20	2.36	0.321976
1168.40	2.33	0.321670
1168.60	2.30	0.321371
1168.80	2.27	0.321077
1169.00	2.24	0.320789
1169.20	2.21	0.320508
1169.40	2.18	0.320232
1169.60	2.15	0.319962
1169.80	2.12	0.319697
1170.00	2.10	0.319438
1170.20	2.07	0.319184
1170.40	2.04	0.318936
1170.60	2.02	0.318692
1170.80	1.99	0.318454
1171.00	1.97	0.318220
1171.20	1.94	0.317991
1171.40	1.92	0.317767
1171.60	1.89	0.317548
1171.80	1.87	0.317333

1172.00	1.85	0.317122
1172.20	1.83	0.316916
1172.40	1.81	0.316714
1172.60	1.78	0.316516
1172.80	1.76	0.316322
1173.00	1.74	0.316132
1173.20	1.72	0.315945
1173.40	1.70	0.315763
1173.60	1.69	0.315584
1173.80	1.67	0.315409
1174.00	1.65	0.315238
1174.20	1.63	0.315069
1174.40	1.61	0.314905
1174.60	1.60	0.314743
1174.80	1.58	0.314585
1175.00	1.56	0.314430
1175.20	1.55	0.314278
1175.40	1.53	0.314129
1175.60	1.52	0.313984
1175.80	1.50	0.313841
1176.00	1.49	0.313701
1176.20	1.47	0.313564
1176.40	1.46	0.313430
1176.60	1.44	0.313298
1176.80	1.43	0.313169
1177.00	1.42	0.313043
1177.20	1.40	0.312919
1177.40	1.39	0.312798
1177.60	1.38	0.312679
1177.80	1.36	0.312563
1178.00	1.35	0.312448
1178.20	1.34	0.312336
1178.40	1.33	0.312226
1178.60	1.32	0.312119
1178.80	1.31	0.312013
1179.00	1.29	0.311910
1179.20	1.28	0.311808
1179.40	1.27	0.311709
1179.60	1.26	0.311611
1179.80	1.25	0.311515
1180.00	1.24	0.311421
1180.20	1.23	0.311329
1180.40	1.22	0.311239
1180.60	1.21	0.311150
1180.80	1.20	0.311063
1181.00	1.20	0.310977
1181.20	1.19	0.310894
1181.40	1.18	0.310811
1181.60	1.17	0.310730
1181.80	1.16	0.310651
1182.00	1.15	0.310573
1182.20	1.14	0.310497
1182.40	1.14	0.310422
1182.60	1.13	0.310348
1182.80	1.12	0.310276
1183.00	1.11	0.310205
1183.20	1.11	0.310135

1183.40	1.10	0.310066
1183.60	1.09	0.309999
1183.80	1.08	0.309933
1184.00	1.08	0.309868
1184.20	1.07	0.309804
1184.40	1.06	0.309741
1184.60	1.06	0.309679
1184.80	1.05	0.309619
1185.00	1.05	0.309559
1185.20	1.04	0.309501
1185.40	1.03	0.309443
1185.60	1.03	0.309386
1185.80	1.02	0.309331
1186.00	1.02	0.309276
1186.20	1.01	0.309222
1186.40	1.00	0.309169
1186.60	1.00	0.309117
1186.80	0.99	0.309066
1187.00	0.99	0.309015
1187.20	0.98	0.308966
1187.40	0.98	0.308917
1187.60	0.97	0.308869
1187.80	0.97	0.308821
1188.00	0.96	0.308775
1188.20	0.96	0.308729
1188.40	0.95	0.308684
1188.60	0.95	0.308639
1188.80	0.94	0.308596
1189.00	0.94	0.308553
1189.20	0.93	0.308510
1189.40	0.93	0.308468
1189.60	0.93	0.308427
1189.80	0.92	0.308387
1190.00	0.92	0.308347
1190.20	0.91	0.308307
1190.40	0.91	0.308268
1190.60	0.90	0.308230
1190.80	0.90	0.308193
1191.00	0.90	0.308155
1191.20	0.89	0.308119
1191.40	0.89	0.308083
1191.60	0.88	0.308047
1191.80	0.88	0.308012
1192.00	0.88	0.307978
1192.20	0.87	0.307943
1192.40	0.87	0.307910
1192.60	0.87	0.307877
1192.80	0.86	0.307844
1193.00	0.86	0.307812
1193.20	0.86	0.307780
1193.40	0.85	0.307748
1193.60	0.85	0.307717
1193.80	0.85	0.307687
1194.00	0.84	0.307656
1194.20	0.84	0.307627
1194.40	0.84	0.307597
1194.60	0.83	0.307568

1194.80	0.83	0.307539
1195.00	0.83	0.307511
1195.20	0.82	0.307483
1195.40	0.82	0.307455
1195.60	0.82	0.307428
1195.80	0.82	0.307401
1196.00	0.81	0.307375
1196.20	0.81	0.307348
1196.40	0.81	0.307322
1196.60	0.81	0.307297
1196.80	0.80	0.307271
1197.00	0.80	0.307246
1197.20	0.80	0.307221
1197.40	0.79	0.307197
1197.60	0.79	0.307172
1197.80	0.79	0.307149
1198.00	0.79	0.307125
1198.20	0.78	0.307101
1198.40	0.78	0.307078
1198.60	0.78	0.307055
1198.80	0.78	0.307033
1199.00	0.77	0.307010
1199.20	0.77	0.306988
1199.40	0.77	0.306966
1199.60	0.77	0.306945
1199.80	0.77	0.306923
1200.00	0.76	0.306902
1200.20	0.76	0.306881
1200.40	0.76	0.306860
1200.60	0.76	0.306839
1200.80	0.75	0.306819
1201.00	0.75	0.306799
1201.20	0.75	0.306779
1201.40	0.75	0.306759
1201.60	0.75	0.306740
1201.80	0.74	0.306720
1202.00	0.74	0.306701
1202.20	0.74	0.306682
1202.40	0.74	0.306663
1202.60	0.74	0.306645
1202.80	0.73	0.306626
1203.00	0.73	0.306608
1203.20	0.73	0.306590
1203.40	0.73	0.306572
1203.60	0.73	0.306554
1203.80	0.72	0.306537
1204.00	0.72	0.306519
1204.20	0.72	0.306502
1204.40	0.72	0.306485
1204.60	0.72	0.306468
1204.80	0.72	0.306451
1205.00	0.71	0.306434
1205.20	0.71	0.306418
1205.40	0.71	0.306401
1205.60	0.71	0.306385
1205.80	0.71	0.306369
1206.00	0.71	0.306353

1206.20	0.70	0.306337
1206.40	0.70	0.306322
1206.60	0.70	0.306306
1206.80	0.70	0.306291
1207.00	0.70	0.306275
1207.20	0.70	0.306260
1207.40	0.69	0.306245
1207.60	0.69	0.306230
1207.80	0.69	0.306215
1208.00	0.69	0.306201
1208.20	0.69	0.306186
1208.40	0.69	0.306172
1208.60	0.68	0.306157
1208.80	0.68	0.306143
1209.00	0.68	0.306129
1209.20	0.68	0.306115
1209.40	0.68	0.306101
1209.60	0.68	0.306087
1209.80	0.68	0.306073
1210.00	0.67	0.306060
1210.20	0.67	0.306046
1210.40	0.67	0.306033
1210.60	0.67	0.306020
1210.80	0.67	0.306006
1211.00	0.67	0.305993
1211.20	0.67	0.305980
1211.40	0.66	0.305967
1211.60	0.66	0.305955
1211.80	0.66	0.305942
1212.00	0.66	0.305929
1212.20	0.66	0.305917
1212.40	0.66	0.305904
1212.60	0.66	0.305892
1212.80	0.66	0.305879
1213.00	0.65	0.305867
1213.20	0.65	0.305855
1213.40	0.65	0.305843
1213.60	0.65	0.305831
1213.80	0.65	0.305819
1214.00	0.65	0.305807
1214.20	0.65	0.305796
1214.40	0.65	0.305784
1214.60	0.64	0.305773
1214.80	0.64	0.305761
1215.00	0.64	0.305750
1215.20	0.64	0.305738
1215.40	0.64	0.305727
1215.60	0.64	0.305716
1215.80	0.64	0.305705
1216.00	0.64	0.305694
1216.20	0.63	0.305683
1216.40	0.63	0.305672
1216.60	0.63	0.305661
1216.80	0.63	0.305650
1217.00	0.63	0.305639
1217.20	0.63	0.305629
1217.40	0.63	0.305618

1217.60	0.63	0.305608
1217.80	0.63	0.305597
1218.00	0.62	0.305587
1218.20	0.62	0.305576
1218.40	0.62	0.305566
1218.60	0.62	0.305556
1218.80	0.62	0.305546
1219.00	0.62	0.305536
1219.20	0.62	0.305526
1219.40	0.62	0.305516
1219.60	0.62	0.305506
1219.80	0.61	0.305496
1220.00	0.61	0.305486
1220.20	0.61	0.305476
1220.40	0.61	0.305466
1220.60	0.61	0.305457
1220.80	0.61	0.305447
1221.00	0.61	0.305438
1221.20	0.61	0.305428
1221.40	0.61	0.305419
1221.60	0.61	0.305409
1221.80	0.60	0.305400
1222.00	0.60	0.305391
1222.20	0.60	0.305381
1222.40	0.60	0.305372
1222.60	0.60	0.305363
1222.80	0.60	0.305354
1223.00	0.60	0.305345
1223.20	0.60	0.305336
1223.40	0.60	0.305327
1223.60	0.60	0.305318
1223.80	0.60	0.305309
1224.00	0.59	0.305301
1224.20	0.59	0.305292
1224.40	0.59	0.305283
1224.60	0.59	0.305274
1224.80	0.59	0.305266
1225.00	0.59	0.305257
1225.20	0.59	0.305249
1225.40	0.59	0.305240
1225.60	0.59	0.305232
1225.80	0.59	0.305223
1226.00	0.59	0.305215
1226.20	0.58	0.305207
1226.40	0.58	0.305198
1226.60	0.58	0.305190
1226.80	0.58	0.305182
1227.00	0.58	0.305174
1227.20	0.58	0.305166
1227.40	0.58	0.305157
1227.60	0.58	0.305149
1227.80	0.58	0.305141
1228.00	0.58	0.305133
1228.20	0.58	0.305126
1228.40	0.58	0.305118
1228.60	0.57	0.305110
1228.80	0.57	0.305102

1229.00	0.57	0.305094
1229.20	0.57	0.305086
1229.40	0.57	0.305079
1229.60	0.57	0.305071
1229.80	0.57	0.305063
1230.00	0.57	0.305056
1230.20	0.57	0.305048
1230.40	0.57	0.305041
1230.60	0.57	0.305033
1230.80	0.57	0.305026
1231.00	0.56	0.305018
1231.20	0.56	0.305011
1231.40	0.56	0.305003
1231.60	0.56	0.304996
1231.80	0.56	0.304989
1232.00	0.56	0.304981
1232.20	0.56	0.304974
1232.40	0.56	0.304967
1232.60	0.56	0.304960
1232.80	0.56	0.304953
1233.00	0.56	0.304946
1233.20	0.56	0.304938
1233.40	0.56	0.304931
1233.60	0.55	0.304924
1233.80	0.55	0.304917
1234.00	0.55	0.304910
1234.20	0.55	0.304904
1234.40	0.55	0.304897
1234.60	0.55	0.304890
1234.80	0.55	0.304883
1235.00	0.55	0.304876
1235.20	0.55	0.304869
1235.40	0.55	0.304863
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1235.80	0.55	0.304849
1236.00	0.55	0.304842
1236.20	0.55	0.304836
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1236.60	0.54	0.304823
1236.80	0.54	0.304816
1237.00	0.54	0.304809
1237.20	0.54	0.304803
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1238.00	0.54	0.304777
1238.20	0.54	0.304771
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1238.60	0.54	0.304758
1238.80	0.54	0.304752
1239.00	0.54	0.304745
1239.20	0.54	0.304739
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1239.60	0.53	0.304727
1239.80	0.53	0.304721
1240.00	0.53	0.304714
1240.20	0.53	0.304708

1240.40	0.53	0.304702
1240.60	0.53	0.304696
1240.80	0.53	0.304690
1241.00	0.53	0.304684
1241.20	0.53	0.304678
1241.40	0.53	0.304672
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1241.80	0.53	0.304660
1242.00	0.53	0.304654
1242.20	0.53	0.304648
1242.40	0.52	0.304642
1242.60	0.52	0.304636
1242.80	0.52	0.304631
1243.00	0.52	0.304625
1243.20	0.52	0.304619
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1243.60	0.52	0.304607
1243.80	0.52	0.304602
1244.00	0.52	0.304596
1244.20	0.52	0.304590
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1244.80	0.52	0.304573
1245.00	0.52	0.304568
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1245.80	0.51	0.304546
1246.00	0.51	0.304540
1246.20	0.51	0.304535
1246.40	0.51	0.304529
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1247.00	0.51	0.304513
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1248.00	0.51	0.304486
1248.20	0.51	0.304481
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1248.60	0.51	0.304470
1248.80	0.51	0.304465
1249.00	0.51	0.304460
1249.20	0.51	0.304454
1249.40	0.50	0.304449
1249.60	0.50	0.304444
1249.80	0.50	0.304439
1250.00	0.50	0.304434
1250.20	0.50	0.304429
1250.40	0.50	0.304424
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1258.00	0.48	0.304242
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1263.00	0.47	0.304133

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1264.80	0.47	0.304096
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1268.00	0.46	0.304033
1268.20	0.46	0.304029
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1268.80	0.46	0.304017
1269.00	0.46	0.304013
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1269.80	0.46	0.303998
1270.00	0.46	0.303994
1270.20	0.46	0.303991
1270.40	0.46	0.303987
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1270.80	0.46	0.303979
1271.00	0.45	0.303976
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1274.40	0.45	0.303914

1274.60	0.45	0.303910
1274.80	0.45	0.303906
1275.00	0.45	0.303903
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1275.40	0.45	0.303896
1275.60	0.45	0.303892
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1276.00	0.45	0.303885
1276.20	0.44	0.303882
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1276.60	0.44	0.303875
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1277.00	0.44	0.303868
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1277.80	0.44	0.303854
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1279.20	0.44	0.303831
1279.40	0.44	0.303827
1279.60	0.44	0.303824
1279.80	0.44	0.303821
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1280.60	0.44	0.303807
1280.80	0.44	0.303804
1281.00	0.44	0.303801
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1281.40	0.44	0.303794
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1281.80	0.43	0.303788
1282.00	0.43	0.303785
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1283.00	0.43	0.303769
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1284.80	0.43	0.303740
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1287.00	0.43	0.303706
1287.20	0.43	0.303703
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1288.00	0.42	0.303691
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1290.00	0.42	0.303661
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1300.80	0.41	0.303512
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1301.20	0.41	0.303507
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1301.80	0.40	0.303499
1302.00	0.40	0.303496
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1319.00	0.38	0.303295
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1361.80	0.34	0.302906
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1365.60	0.34	0.302877

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1366.00	0.34	0.302874
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1377.00	0.33	0.302796

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1393.00	0.32	0.302692
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1561.60	0.14	0.279461
1561.80	0.14	0.279423
1562.00	0.14	0.279386
1562.20	0.14	0.279348
1562.40	0.14	0.279310
1562.60	0.14	0.279272
1562.80	0.14	0.279235
1563.00	0.14	0.279197
1563.20	0.14	0.279159
1563.40	0.14	0.279121
1563.60	0.14	0.279083
1563.80	0.14	0.279046
1564.00	0.14	0.279008
1564.20	0.14	0.278970
1564.40	0.14	0.278932
1564.60	0.14	0.278895
1564.80	0.14	0.278857
1565.00	0.14	0.278819
1565.20	0.14	0.278781
1565.40	0.14	0.278744
1565.60	0.14	0.278706
1565.80	0.14	0.278668
1566.00	0.14	0.278630
1566.20	0.14	0.278593
1566.40	0.14	0.278555
1566.60	0.14	0.278517
1566.80	0.14	0.278479
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1567.40	0.14	0.278366
1567.60	0.14	0.278328
1567.80	0.14	0.278290
1568.00	0.14	0.278253
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1568.80	0.14	0.278102
1569.00	0.14	0.278064
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1569.80	0.14	0.277913
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1570.60	0.14	0.277762
1570.80	0.14	0.277724

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1572.20	0.14	0.277459
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1572.80	0.14	0.277346
1573.00	0.14	0.277308
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1573.40	0.14	0.277233
1573.60	0.14	0.277195
1573.80	0.14	0.277157
1574.00	0.14	0.277120
1574.20	0.14	0.277082
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1591.80	0.14	0.273758
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1592.20	0.14	0.273683
1592.40	0.14	0.273645
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1667.80	0.14	0.259406
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1668.40	0.14	0.259293
1668.60	0.14	0.259255
1668.80	0.14	0.259217
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1669.20	0.14	0.259142
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1874.80	0.14	0.220316
1875.00	0.14	0.220278
1875.20	0.14	0.220240
1875.40	0.14	0.220202
1875.60	0.14	0.220165
1875.80	0.14	0.220127
1876.00	0.14	0.220089
1876.20	0.14	0.220051
1876.40	0.14	0.220014
1876.60	0.14	0.219976
1876.80	0.14	0.219938
1877.00	0.14	0.219900
1877.20	0.14	0.219863
1877.40	0.14	0.219825
1877.60	0.14	0.219787
1877.80	0.14	0.219749
1878.00	0.14	0.219712
1878.20	0.14	0.219674
1878.40	0.14	0.219636
1878.60	0.14	0.219598

1878.80	0.14	0.219560
1879.00	0.14	0.219523
1879.20	0.14	0.219485
1879.40	0.14	0.219447
1879.60	0.14	0.219409
1879.80	0.14	0.219372
1880.00	0.14	0.219334
1880.20	0.14	0.219296
1880.40	0.14	0.219258
1880.60	0.14	0.219221
1880.80	0.14	0.219183
1881.00	0.14	0.219145
1881.20	0.14	0.219107
1881.40	0.14	0.219069
1881.60	0.14	0.219032
1881.80	0.14	0.218994
1882.00	0.14	0.218956
1882.20	0.14	0.218918
1882.40	0.14	0.218881
1882.60	0.14	0.218843
1882.80	0.14	0.218805
1883.00	0.14	0.218767
1883.20	0.14	0.218730
1883.40	0.14	0.218692
1883.60	0.14	0.218654
1883.80	0.14	0.218616
1884.00	0.14	0.218578
1884.20	0.14	0.218541
1884.40	0.14	0.218503
1884.60	0.14	0.218465
1884.80	0.14	0.218427
1885.00	0.14	0.218390
1885.20	0.14	0.218352
1885.40	0.14	0.218314
1885.60	0.14	0.218276
1885.80	0.14	0.218239
1886.00	0.14	0.218201
1886.20	0.14	0.218163
1886.40	0.14	0.218125
1886.60	0.14	0.218087
1886.80	0.14	0.218050
1887.00	0.14	0.218012
1887.20	0.14	0.217974
1887.40	0.14	0.217936
1887.60	0.14	0.217899
1887.80	0.14	0.217861
1888.00	0.14	0.217823
1888.20	0.14	0.217785
1888.40	0.14	0.217748
1888.60	0.14	0.217710
1888.80	0.14	0.217672
1889.00	0.14	0.217634
1889.20	0.14	0.217596
1889.40	0.14	0.217559
1889.60	0.14	0.217521
1889.80	0.14	0.217483
1890.00	0.14	0.217445

1890.20	0.14	0.217408
1890.40	0.14	0.217370
1890.60	0.14	0.217332
1890.80	0.14	0.217294
1891.00	0.14	0.217257
1891.20	0.14	0.217219
1891.40	0.14	0.217181
1891.60	0.14	0.217143
1891.80	0.14	0.217105
1892.00	0.14	0.217068
1892.20	0.14	0.217030
1892.40	0.14	0.216992
1892.60	0.14	0.216954
1892.80	0.14	0.216917
1893.00	0.14	0.216879
1893.20	0.14	0.216841
1893.40	0.14	0.216803
1893.60	0.14	0.216766
1893.80	0.14	0.216728
1894.00	0.14	0.216690
1894.20	0.14	0.216652
1894.40	0.14	0.216614
1894.60	0.14	0.216577
1894.80	0.14	0.216539
1895.00	0.14	0.216501
1895.20	0.14	0.216463
1895.40	0.14	0.216426
1895.60	0.14	0.216388
1895.80	0.14	0.216350
1896.00	0.14	0.216312
1896.20	0.14	0.216275
1896.40	0.14	0.216237
1896.60	0.14	0.216199
1896.80	0.14	0.216161
1897.00	0.14	0.216124
1897.20	0.14	0.216086
1897.40	0.14	0.216048
1897.60	0.14	0.216010
1897.80	0.14	0.215972
1898.00	0.14	0.215935
1898.20	0.14	0.215897
1898.40	0.14	0.215859
1898.60	0.14	0.215821
1898.80	0.14	0.215784
1899.00	0.14	0.215746
1899.20	0.14	0.215708
1899.40	0.14	0.215670
1899.60	0.14	0.215633
1899.80	0.14	0.215595
1900.00	0.14	0.215557
1900.20	0.14	0.215519
1900.40	0.14	0.215481
1900.60	0.14	0.215444
1900.80	0.14	0.215406
1901.00	0.14	0.215368
1901.20	0.14	0.215330
1901.40	0.14	0.215293

1901.60	0.14	0.215255
1901.80	0.14	0.215217
1902.00	0.14	0.215179
1902.20	0.14	0.215142
1902.40	0.14	0.215104
1902.60	0.14	0.215066
1902.80	0.14	0.215028
1903.00	0.14	0.214990
1903.20	0.14	0.214953
1903.40	0.14	0.214915
1903.60	0.14	0.214877
1903.80	0.14	0.214839
1904.00	0.14	0.214802
1904.20	0.14	0.214764
1904.40	0.14	0.214726
1904.60	0.14	0.214688
1904.80	0.14	0.214651
1905.00	0.14	0.214613
1905.20	0.14	0.214575
1905.40	0.14	0.214537
1905.60	0.14	0.214499
1905.80	0.14	0.214462
1906.00	0.14	0.214424
1906.20	0.14	0.214386
1906.40	0.14	0.214348
1906.60	0.14	0.214311
1906.80	0.14	0.214273
1907.00	0.14	0.214235
1907.20	0.14	0.214197
1907.40	0.14	0.214160
1907.60	0.14	0.214122
1907.80	0.14	0.214084
1908.00	0.14	0.214046
1908.20	0.14	0.214008
1908.40	0.14	0.213971
1908.60	0.14	0.213933
1908.80	0.14	0.213895
1909.00	0.14	0.213857
1909.20	0.14	0.213820
1909.40	0.14	0.213782
1909.60	0.14	0.213744
1909.80	0.14	0.213706
1910.00	0.14	0.213669
1910.20	0.14	0.213631
1910.40	0.14	0.213593
1910.60	0.14	0.213555
1910.80	0.14	0.213517
1911.00	0.14	0.213480
1911.20	0.14	0.213442
1911.40	0.14	0.213404
1911.60	0.14	0.213366
1911.80	0.14	0.213329
1912.00	0.14	0.213291
1912.20	0.14	0.213253
1912.40	0.14	0.213215
1912.60	0.14	0.213178
1912.80	0.14	0.213140

1913.00	0.14	0.213102
1913.20	0.14	0.213064
1913.40	0.14	0.213026
1913.60	0.14	0.212989
1913.80	0.14	0.212951
1914.00	0.14	0.212913
1914.20	0.14	0.212875
1914.40	0.14	0.212838
1914.60	0.14	0.212800
1914.80	0.14	0.212762
1915.00	0.14	0.212724
1915.20	0.14	0.212687
1915.40	0.14	0.212649
1915.60	0.14	0.212611
1915.80	0.14	0.212573
1916.00	0.14	0.212535
1916.20	0.14	0.212498
1916.40	0.14	0.212460
1916.60	0.14	0.212422
1916.80	0.14	0.212384
1917.00	0.14	0.212347
1917.20	0.14	0.212309
1917.40	0.14	0.212271
1917.60	0.14	0.212233
1917.80	0.14	0.212196
1918.00	0.14	0.212158
1918.20	0.14	0.212120
1918.40	0.14	0.212082
1918.60	0.14	0.212045
1918.80	0.14	0.212007
1919.00	0.14	0.211969
1919.20	0.14	0.211931
1919.40	0.14	0.211893
1919.60	0.14	0.211856
1919.80	0.14	0.211818
1920.00	0.14	0.211780
1920.20	0.14	0.211742
1920.40	0.14	0.211705
1920.60	0.14	0.211667
1920.80	0.14	0.211629
1921.00	0.14	0.211591
1921.20	0.14	0.211554
1921.40	0.14	0.211516
1921.60	0.14	0.211478
1921.80	0.14	0.211440
1922.00	0.14	0.211402
1922.20	0.14	0.211365
1922.40	0.14	0.211327
1922.60	0.14	0.211289
1922.80	0.14	0.211251
1923.00	0.14	0.211214
1923.20	0.14	0.211176
1923.40	0.14	0.211138
1923.60	0.14	0.211100
1923.80	0.14	0.211063
1924.00	0.14	0.211025
1924.20	0.14	0.210987

1924.40	0.14	0.210949
1924.60	0.14	0.210911
1924.80	0.14	0.210874
1925.00	0.14	0.210836
1925.20	0.14	0.210798
1925.40	0.14	0.210760
1925.60	0.14	0.210723
1925.80	0.14	0.210685
1926.00	0.14	0.210647
1926.20	0.14	0.210609
1926.40	0.14	0.210572
1926.60	0.14	0.210534
1926.80	0.14	0.210496
1927.00	0.14	0.210458
1927.20	0.14	0.210420
1927.40	0.14	0.210383
1927.60	0.14	0.210345
1927.80	0.14	0.210307
1928.00	0.14	0.210269
1928.20	0.14	0.210232
1928.40	0.14	0.210194
1928.60	0.14	0.210156
1928.80	0.14	0.210118
1929.00	0.14	0.210081
1929.20	0.14	0.210043
1929.40	0.14	0.210005
1929.60	0.14	0.209967
1929.80	0.14	0.209929
1930.00	0.14	0.209892
1930.20	0.14	0.209854
1930.40	0.14	0.209816
1930.60	0.14	0.209778
1930.80	0.14	0.209741
1931.00	0.14	0.209703
1931.20	0.14	0.209665
1931.40	0.14	0.209627
1931.60	0.14	0.209590
1931.80	0.14	0.209552
1932.00	0.14	0.209514
1932.20	0.14	0.209476
1932.40	0.14	0.209438
1932.60	0.14	0.209401
1932.80	0.14	0.209363
1933.00	0.14	0.209325
1933.20	0.14	0.209287
1933.40	0.14	0.209250
1933.60	0.14	0.209212
1933.80	0.14	0.209174
1934.00	0.14	0.209136
1934.20	0.14	0.209099
1934.40	0.14	0.209061
1934.60	0.14	0.209023
1934.80	0.14	0.208985
1935.00	0.14	0.208947
1935.20	0.14	0.208910
1935.40	0.14	0.208872
1935.60	0.14	0.208834

1935.80	0.14	0.208796
1936.00	0.14	0.208759
1936.20	0.14	0.208721
1936.40	0.14	0.208683
1936.60	0.14	0.208645
1936.80	0.14	0.208608
1937.00	0.14	0.208570
1937.20	0.14	0.208532
1937.40	0.14	0.208494
1937.60	0.14	0.208457
1937.80	0.14	0.208419
1938.00	0.14	0.208381
1938.20	0.14	0.208343
1938.40	0.14	0.208305
1938.60	0.14	0.208268
1938.80	0.14	0.208230
1939.00	0.14	0.208192
1939.20	0.14	0.208154
1939.40	0.14	0.208117
1939.60	0.14	0.208079
1939.80	0.14	0.208041
1940.00	0.14	0.208003
1940.20	0.14	0.207966
1940.40	0.14	0.207928
1940.60	0.14	0.207890
1940.80	0.14	0.207852
1941.00	0.14	0.207814
1941.20	0.14	0.207777
1941.40	0.14	0.207739
1941.60	0.14	0.207701
1941.80	0.14	0.207663
1942.00	0.14	0.207626
1942.20	0.14	0.207588
1942.40	0.14	0.207550
1942.60	0.14	0.207512
1942.80	0.14	0.207475
1943.00	0.14	0.207437
1943.20	0.14	0.207399
1943.40	0.14	0.207361
1943.60	0.14	0.207323
1943.80	0.14	0.207286
1944.00	0.14	0.207248
1944.20	0.14	0.207210
1944.40	0.14	0.207172
1944.60	0.14	0.207135
1944.80	0.14	0.207097
1945.00	0.14	0.207059
1945.20	0.14	0.207021
1945.40	0.14	0.206984
1945.60	0.14	0.206946
1945.80	0.14	0.206908
1946.00	0.14	0.206870
1946.20	0.14	0.206832
1946.40	0.14	0.206795
1946.60	0.14	0.206757
1946.80	0.14	0.206719
1947.00	0.14	0.206681

1947.20	0.14	0.206644
1947.40	0.14	0.206606
1947.60	0.14	0.206568
1947.80	0.14	0.206530
1948.00	0.14	0.206493
1948.20	0.14	0.206455
1948.40	0.14	0.206417
1948.60	0.14	0.206379
1948.80	0.14	0.206341
1949.00	0.14	0.206304
1949.20	0.14	0.206266
1949.40	0.14	0.206228
1949.60	0.14	0.206190
1949.80	0.14	0.206153
1950.00	0.14	0.206115
1950.20	0.14	0.206077
1950.40	0.14	0.206039
1950.60	0.14	0.206002
1950.80	0.14	0.205964
1951.00	0.14	0.205926
1951.20	0.14	0.205888
1951.40	0.14	0.205850
1951.60	0.14	0.205813
1951.80	0.14	0.205775
1952.00	0.14	0.205737
1952.20	0.14	0.205699
1952.40	0.14	0.205662
1952.60	0.14	0.205624
1952.80	0.14	0.205586
1953.00	0.14	0.205548
1953.20	0.14	0.205511
1953.40	0.14	0.205473
1953.60	0.14	0.205435
1953.80	0.14	0.205397
1954.00	0.14	0.205359
1954.20	0.14	0.205322
1954.40	0.14	0.205284
1954.60	0.14	0.205246
1954.80	0.14	0.205208
1955.00	0.14	0.205171
1955.20	0.14	0.205133
1955.40	0.14	0.205095
1955.60	0.14	0.205057
1955.80	0.14	0.205020
1956.00	0.14	0.204982
1956.20	0.14	0.204944
1956.40	0.14	0.204906
1956.60	0.14	0.204869
1956.80	0.14	0.204831
1957.00	0.14	0.204793
1957.20	0.14	0.204755
1957.40	0.14	0.204717
1957.60	0.14	0.204680
1957.80	0.14	0.204642
1958.00	0.14	0.204604
1958.20	0.14	0.204566
1958.40	0.14	0.204529

1958.60	0.14	0.204491
1958.80	0.14	0.204453
1959.00	0.14	0.204415
1959.20	0.14	0.204378
1959.40	0.14	0.204340
1959.60	0.14	0.204302
1959.80	0.14	0.204264
1960.00	0.14	0.204226
1960.20	0.14	0.204189
1960.40	0.14	0.204151
1960.60	0.14	0.204113
1960.80	0.14	0.204075
1961.00	0.14	0.204038
1961.20	0.14	0.204000
1961.40	0.14	0.203962
1961.60	0.14	0.203924
1961.80	0.14	0.203887
1962.00	0.14	0.203849
1962.20	0.14	0.203811
1962.40	0.14	0.203773
1962.60	0.14	0.203735
1962.80	0.14	0.203698
1963.00	0.14	0.203660
1963.20	0.14	0.203622
1963.40	0.14	0.203584
1963.60	0.14	0.203547
1963.80	0.14	0.203509
1964.00	0.14	0.203471
1964.20	0.14	0.203433
1964.40	0.14	0.203396
1964.60	0.14	0.203358
1964.80	0.14	0.203320
1965.00	0.14	0.203282
1965.20	0.14	0.203244
1965.40	0.14	0.203207
1965.60	0.14	0.203169
1965.80	0.14	0.203131
1966.00	0.14	0.203093
1966.20	0.14	0.203056
1966.40	0.14	0.203018
1966.60	0.14	0.202980
1966.80	0.14	0.202942
1967.00	0.14	0.202905
1967.20	0.14	0.202867
1967.40	0.14	0.202829
1967.60	0.14	0.202791
1967.80	0.14	0.202753
1968.00	0.14	0.202716
1968.20	0.14	0.202678
1968.40	0.14	0.202640
1968.60	0.14	0.202602
1968.80	0.14	0.202565
1969.00	0.14	0.202527
1969.20	0.14	0.202489
1969.40	0.14	0.202451
1969.60	0.14	0.202414
1969.80	0.14	0.202376

1970.00	0.14	0.202338
1970.20	0.14	0.202300
1970.40	0.14	0.202262
1970.60	0.14	0.202225
1970.80	0.14	0.202187
1971.00	0.14	0.202149
1971.20	0.14	0.202111
1971.40	0.14	0.202074
1971.60	0.14	0.202036
1971.80	0.14	0.201998
1972.00	0.14	0.201960
1972.20	0.14	0.201923
1972.40	0.14	0.201885
1972.60	0.14	0.201847
1972.80	0.14	0.201809
1973.00	0.14	0.201771
1973.20	0.14	0.201734
1973.40	0.14	0.201696
1973.60	0.14	0.201658
1973.80	0.14	0.201620
1974.00	0.14	0.201583
1974.20	0.14	0.201545
1974.40	0.14	0.201507
1974.60	0.14	0.201469
1974.80	0.14	0.201432
1975.00	0.14	0.201394
1975.20	0.14	0.201356
1975.40	0.14	0.201318
1975.60	0.14	0.201281
1975.80	0.14	0.201243
1976.00	0.14	0.201205
1976.20	0.14	0.201167
1976.40	0.14	0.201129
1976.60	0.14	0.201092
1976.80	0.14	0.201054
1977.00	0.14	0.201016
1977.20	0.14	0.200978
1977.40	0.14	0.200941
1977.60	0.14	0.200903
1977.80	0.14	0.200865
1978.00	0.14	0.200827
1978.20	0.14	0.200790
1978.40	0.14	0.200752
1978.60	0.14	0.200714
1978.80	0.14	0.200676
1979.00	0.14	0.200638
1979.20	0.14	0.200601
1979.40	0.14	0.200563
1979.60	0.14	0.200525
1979.80	0.14	0.200487
1980.00	0.14	0.200450
1980.20	0.14	0.200412
1980.40	0.14	0.200374
1980.60	0.14	0.200336
1980.80	0.14	0.200299
1981.00	0.14	0.200261
1981.20	0.14	0.200223

1981.40	0.14	0.200185
1981.60	0.14	0.200147
1981.80	0.14	0.200110
1982.00	0.14	0.200072
1982.20	0.14	0.200034
1982.40	0.14	0.199996
1982.60	0.14	0.199959
1982.80	0.14	0.199921
1983.00	0.14	0.199883
1983.20	0.14	0.199845
1983.40	0.14	0.199808
1983.60	0.14	0.199770
1983.80	0.14	0.199732
1984.00	0.14	0.199694
1984.20	0.14	0.199656
1984.40	0.14	0.199619
1984.60	0.14	0.199581
1984.80	0.14	0.199543
1985.00	0.14	0.199505
1985.20	0.14	0.199468
1985.40	0.14	0.199430
1985.60	0.14	0.199392
1985.80	0.14	0.199354
1986.00	0.14	0.199317
1986.20	0.14	0.199279
1986.40	0.14	0.199241
1986.60	0.14	0.199203
1986.80	0.14	0.199165
1987.00	0.14	0.199128
1987.20	0.14	0.199090
1987.40	0.14	0.199052
1987.60	0.14	0.199014
1987.80	0.14	0.198977
1988.00	0.14	0.198939
1988.20	0.14	0.198901
1988.40	0.14	0.198863
1988.60	0.14	0.198826
1988.80	0.14	0.198788
1989.00	0.14	0.198750
1989.20	0.14	0.198712
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1990.00	0.14	0.198561
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1991.60	0.14	0.198259
1991.80	0.14	0.198221
1992.00	0.14	0.198183
1992.20	0.14	0.198146
1992.40	0.14	0.198108
1992.60	0.14	0.198070

1992.80	0.14	0.198032
1993.00	0.14	0.197995
1993.20	0.14	0.197957
1993.40	0.14	0.197919
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1993.80	0.14	0.197844
1994.00	0.14	0.197806
1994.20	0.14	0.197768
1994.40	0.14	0.197730
1994.60	0.14	0.197693
1994.80	0.14	0.197655
1995.00	0.14	0.197617
1995.20	0.14	0.197579
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1995.60	0.14	0.197504
1995.80	0.14	0.197466
1996.00	0.14	0.197428
1996.20	0.14	0.197390
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1997.00	0.14	0.197239
1997.20	0.14	0.197202
1997.40	0.14	0.197164
1997.60	0.14	0.197126
1997.80	0.14	0.197088
1998.00	0.14	0.197050
1998.20	0.14	0.197013
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2004.00	0.14	0.195917

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2004.80	0.14	0.195766
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2009.80	0.14	0.194822
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2013.40	0.14	0.194142
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2016.80	0.14	0.193500
2017.00	0.14	0.193462
2017.20	0.14	0.193425
2017.40	0.14	0.193387
2017.60	0.14	0.193349
2017.80	0.14	0.193311
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2092.40	0.14	0.179224
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2092.80	0.14	0.179148
2093.00	0.14	0.179110
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2094.00	0.14	0.178922
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2097.20	0.14	0.178317
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2098.20	0.14	0.178128
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2100.20	0.14	0.177751
2100.40	0.14	0.177713
2100.60	0.14	0.177675
2100.80	0.14	0.177637
2101.00	0.14	0.177600
2101.20	0.14	0.177562
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2101.60	0.14	0.177486
2101.80	0.14	0.177449
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2102.40	0.14	0.177335
2102.60	0.14	0.177298
2102.80	0.14	0.177260
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2103.40	0.14	0.177146
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2103.80	0.14	0.177071
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2107.80	0.14	0.176316
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2108.20	0.14	0.176240
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2108.60	0.14	0.176164
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2110.60	0.14	0.175787
2110.80	0.14	0.175749
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2112.60	0.14	0.175409
2112.80	0.14	0.175371
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2113.40	0.14	0.175258
2113.60	0.14	0.175220
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2114.00	0.14	0.175145
2114.20	0.14	0.175107
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2115.00	0.14	0.174956
2115.20	0.14	0.174918
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2116.00	0.14	0.174767
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2118.40	0.14	0.174314
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2118.80	0.14	0.174238
2119.00	0.14	0.174201
2119.20	0.14	0.174163
2119.40	0.14	0.174125
2119.60	0.14	0.174087
2119.80	0.14	0.174049
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2122.20	0.14	0.173596
2122.40	0.14	0.173558
2122.60	0.14	0.173521
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2123.00	0.14	0.173445
2123.20	0.14	0.173407
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2123.60	0.14	0.173332
2123.80	0.14	0.173294
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2124.20	0.14	0.173219
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2124.60	0.14	0.173143
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2125.20	0.14	0.173030
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2125.80	0.14	0.172916
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2126.20	0.14	0.172841
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2126.60	0.14	0.172765
2126.80	0.14	0.172728
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2127.20	0.14	0.172652
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2127.60	0.14	0.172576
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2128.20	0.14	0.172463
2128.40	0.14	0.172425
2128.60	0.14	0.172388
2128.80	0.14	0.172350
2129.00	0.14	0.172312
2129.20	0.14	0.172274
2129.40	0.14	0.172237

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2129.80	0.14	0.172161
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2130.20	0.14	0.172085
2130.40	0.14	0.172048
2130.60	0.14	0.172010
2130.80	0.14	0.171972
2131.00	0.14	0.171934
2131.20	0.14	0.171897
2131.40	0.14	0.171859
2131.60	0.14	0.171821
2131.80	0.14	0.171783
2132.00	0.14	0.171746
2132.20	0.14	0.171708
2132.40	0.14	0.171670
2132.60	0.14	0.171632
2132.80	0.14	0.171595
2133.00	0.14	0.171557
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2134.00	0.14	0.171368
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2136.40	0.14	0.170915
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2161.20	0.14	0.166231
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2161.60	0.14	0.166156
2161.80	0.14	0.166118
2162.00	0.14	0.166080
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2162.80	0.14	0.165929
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2163.60	0.14	0.165778

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2166.40	0.14	0.165249
2166.60	0.14	0.165212
2166.80	0.14	0.165174
2167.00	0.14	0.165136
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2167.60	0.14	0.165023
2167.80	0.14	0.164985
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2169.60	0.14	0.164645
2169.80	0.14	0.164607
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2171.20	0.14	0.164343
2171.40	0.14	0.164305
2171.60	0.14	0.164267
2171.80	0.14	0.164230
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2172.20	0.14	0.164154
2172.40	0.14	0.164116
2172.60	0.14	0.164079
2172.80	0.14	0.164041
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2173.20	0.14	0.163965
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2197.00	0.14	0.159471
2197.20	0.14	0.159433
2197.40	0.14	0.159395
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2197.80	0.14	0.159320

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2214.60	0.14	0.156147
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2217.20	0.14	0.155656
2217.40	0.14	0.155618
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2217.80	0.14	0.155543
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2218.20	0.14	0.155467
2218.40	0.14	0.155430
2218.60	0.14	0.155392
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2219.60	0.14	0.155203
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2220.00	0.14	0.155127
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2220.60	0.14	0.155014

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2222.80	0.14	0.154599
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2237.00	0.14	0.151917
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2300.40	0.14	0.139945

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2300.80	0.14	0.139869
2301.00	0.14	0.139831
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2301.40	0.14	0.139756
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2304.60	0.14	0.139151
2304.80	0.14	0.139114
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2308.80	0.14	0.138358
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2309.60	0.14	0.138207
2309.80	0.14	0.138169
2310.00	0.14	0.138132
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2310.80	0.14	0.137981
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2312.80	0.14	0.137603
2313.00	0.14	0.137565
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2510.60	0.14	0.100250
2510.80	0.14	0.100212
2511.00	0.14	0.100174
2511.20	0.14	0.100137
2511.40	0.14	0.100099
2511.60	0.14	0.100061
2511.80	0.14	0.100023
2512.00	0.14	0.099986
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2615.40	0.14	0.080459
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2615.80	0.14	0.080384
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2616.40	0.14	0.080270
2616.60	0.14	0.080233
2616.80	0.14	0.080195
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2617.80	0.14	0.080006
2618.00	0.14	0.079968
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2719.80	0.14	0.060744
2720.00	0.14	0.060706
2720.20	0.14	0.060669
2720.40	0.14	0.060631
2720.60	0.14	0.060593
2720.80	0.14	0.060555
2721.00	0.14	0.060518
2721.20	0.14	0.060480
2721.40	0.14	0.060442
2721.60	0.14	0.060404
2721.80	0.14	0.060366
2722.00	0.14	0.060329
2722.20	0.14	0.060291

2722.40	0.14	0.060253
2722.60	0.14	0.060215
2722.80	0.14	0.060178
2723.00	0.14	0.060140
2723.20	0.14	0.060102
2723.40	0.14	0.060064
2723.60	0.14	0.060027
2723.80	0.14	0.059989
2724.00	0.14	0.059951
2724.20	0.14	0.059913
2724.40	0.14	0.059875
2724.60	0.14	0.059838
2724.80	0.14	0.059800
2725.00	0.14	0.059762
2725.20	0.14	0.059724
2725.40	0.14	0.059687
2725.60	0.14	0.059649
2725.80	0.14	0.059611
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2726.20	0.14	0.059536
2726.40	0.14	0.059498
2726.60	0.14	0.059460
2726.80	0.14	0.059422
2727.00	0.14	0.059384
2727.20	0.14	0.059347
2727.40	0.14	0.059309
2727.60	0.14	0.059271
2727.80	0.14	0.059233
2728.00	0.14	0.059196
2728.20	0.14	0.059158
2728.40	0.14	0.059120
2728.60	0.14	0.059082
2728.80	0.14	0.059045
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2729.20	0.14	0.058969
2729.40	0.14	0.058931
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2730.80	0.14	0.058667
2731.00	0.14	0.058629
2731.20	0.14	0.058591
2731.40	0.14	0.058554
2731.60	0.14	0.058516
2731.80	0.14	0.058478
2732.00	0.14	0.058440
2732.20	0.14	0.058402
2732.40	0.14	0.058365
2732.60	0.14	0.058327
2732.80	0.14	0.058289
2733.00	0.14	0.058251
2733.20	0.14	0.058214
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2733.60	0.14	0.058138

2733.80	0.14	0.058100
2734.00	0.14	0.058063
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2734.80	0.14	0.057911
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2735.20	0.14	0.057836
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2736.80	0.14	0.057534
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2737.20	0.14	0.057458
2737.40	0.14	0.057420
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2737.80	0.14	0.057345
2738.00	0.14	0.057307
2738.20	0.14	0.057269
2738.40	0.14	0.057232
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2738.80	0.14	0.057156
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2739.20	0.14	0.057081
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2740.60	0.14	0.056816
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2743.80	0.14	0.056212
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2745.80	0.14	0.055834
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2746.20	0.14	0.055759
2746.40	0.14	0.055721
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2746.80	0.14	0.055645
2747.00	0.14	0.055608
2747.20	0.14	0.055570
2747.40	0.14	0.055532
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2747.80	0.14	0.055457
2748.00	0.14	0.055419
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2748.40	0.14	0.055343
2748.60	0.14	0.055305
2748.80	0.14	0.055268
2749.00	0.14	0.055230
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2749.40	0.14	0.055154
2749.60	0.14	0.055117
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2759.40	0.14	0.053266
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2760.20	0.14	0.053115
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2769.80	0.14	0.051302
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2773.80	0.14	0.050547
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2774.20	0.14	0.050471
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2774.60	0.14	0.050396
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2775.60	0.14	0.050207
2775.80	0.14	0.050169
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2776.60	0.14	0.050018
2776.80	0.14	0.049980
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2791.80	0.14	0.047147
2792.00	0.14	0.047110
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2792.80	0.14	0.046959
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2824.00	0.14	0.041067
2824.20	0.14	0.041029
2824.40	0.14	0.040991
2824.60	0.14	0.040953
2824.80	0.14	0.040916

2825.00	0.14	0.040878
2825.20	0.14	0.040840
2825.40	0.14	0.040802
2825.60	0.14	0.040765
2825.80	0.14	0.040727
2826.00	0.14	0.040689
2826.20	0.14	0.040651
2826.40	0.14	0.040614
2826.60	0.14	0.040576
2826.80	0.14	0.040538
2827.00	0.14	0.040500
2827.20	0.14	0.040462
2827.40	0.14	0.040425
2827.60	0.14	0.040387
2827.80	0.14	0.040349
2828.00	0.14	0.040311
2828.20	0.14	0.040274
2828.40	0.14	0.040236
2828.60	0.14	0.040198
2828.80	0.14	0.040160
2829.00	0.14	0.040123
2829.20	0.14	0.040085
2829.40	0.14	0.040047
2829.60	0.14	0.040009
2829.80	0.14	0.039971
2830.00	0.14	0.039934
2830.20	0.14	0.039896
2830.40	0.14	0.039858
2830.60	0.14	0.039820
2830.80	0.14	0.039783
2831.00	0.14	0.039745
2831.20	0.14	0.039707
2831.40	0.14	0.039669
2831.60	0.14	0.039632
2831.80	0.14	0.039594
2832.00	0.14	0.039556
2832.20	0.14	0.039518
2832.40	0.14	0.039480
2832.60	0.14	0.039443
2832.80	0.14	0.039405
2833.00	0.14	0.039367
2833.20	0.14	0.039329
2833.40	0.14	0.039292
2833.60	0.14	0.039254
2833.80	0.14	0.039216
2834.00	0.14	0.039178
2834.20	0.14	0.039141
2834.40	0.14	0.039103
2834.60	0.14	0.039065
2834.80	0.14	0.039027
2835.00	0.14	0.038989
2835.20	0.14	0.038952
2835.40	0.14	0.038914
2835.60	0.14	0.038876
2835.80	0.14	0.038838
2836.00	0.14	0.038801
2836.20	0.14	0.038763

2836.40	0.14	0.038725
2836.60	0.14	0.038687
2836.80	0.14	0.038650
2837.00	0.14	0.038612
2837.20	0.14	0.038574
2837.40	0.14	0.038536
2837.60	0.14	0.038499
2837.80	0.14	0.038461
2838.00	0.14	0.038423
2838.20	0.14	0.038385
2838.40	0.14	0.038347
2838.60	0.14	0.038310
2838.80	0.14	0.038272
2839.00	0.14	0.038234
2839.20	0.14	0.038196
2839.40	0.14	0.038159
2839.60	0.14	0.038121
2839.80	0.14	0.038083
2840.00	0.14	0.038045
2840.20	0.14	0.038008
2840.40	0.14	0.037970
2840.60	0.14	0.037932
2840.80	0.14	0.037894
2841.00	0.14	0.037856
2841.20	0.14	0.037819
2841.40	0.14	0.037781
2841.60	0.14	0.037743
2841.80	0.14	0.037705
2842.00	0.14	0.037668
2842.20	0.14	0.037630
2842.40	0.14	0.037592
2842.60	0.14	0.037554
2842.80	0.14	0.037517
2843.00	0.14	0.037479
2843.20	0.14	0.037441
2843.40	0.14	0.037403
2843.60	0.14	0.037365
2843.80	0.14	0.037328
2844.00	0.14	0.037290
2844.20	0.14	0.037252
2844.40	0.14	0.037214
2844.60	0.14	0.037177
2844.80	0.14	0.037139
2845.00	0.14	0.037101
2845.20	0.14	0.037063
2845.40	0.14	0.037026
2845.60	0.14	0.036988
2845.80	0.14	0.036950
2846.00	0.14	0.036912
2846.20	0.14	0.036874
2846.40	0.14	0.036837
2846.60	0.14	0.036799
2846.80	0.14	0.036761
2847.00	0.14	0.036723
2847.20	0.14	0.036686
2847.40	0.14	0.036648
2847.60	0.14	0.036610

2847.80	0.14	0.036572
2848.00	0.14	0.036535
2848.20	0.14	0.036497
2848.40	0.14	0.036459
2848.60	0.14	0.036421
2848.80	0.14	0.036383
2849.00	0.14	0.036346
2849.20	0.14	0.036308
2849.40	0.14	0.036270
2849.60	0.14	0.036232
2849.80	0.14	0.036195
2850.00	0.14	0.036157
2850.20	0.14	0.036119
2850.40	0.14	0.036081
2850.60	0.14	0.036044
2850.80	0.14	0.036006
2851.00	0.14	0.035968
2851.20	0.14	0.035930
2851.40	0.14	0.035892
2851.60	0.14	0.035855
2851.80	0.14	0.035817
2852.00	0.14	0.035779
2852.20	0.14	0.035741
2852.40	0.14	0.035704
2852.60	0.14	0.035666
2852.80	0.14	0.035628
2853.00	0.14	0.035590
2853.20	0.14	0.035553
2853.40	0.14	0.035515
2853.60	0.14	0.035477
2853.80	0.14	0.035439
2854.00	0.14	0.035401
2854.20	0.14	0.035364
2854.40	0.14	0.035326
2854.60	0.14	0.035288
2854.80	0.14	0.035250
2855.00	0.14	0.035213
2855.20	0.14	0.035175
2855.40	0.14	0.035137
2855.60	0.14	0.035099
2855.80	0.14	0.035062
2856.00	0.14	0.035024
2856.20	0.14	0.034986
2856.40	0.14	0.034948
2856.60	0.14	0.034911
2856.80	0.14	0.034873
2857.00	0.14	0.034835
2857.20	0.14	0.034797
2857.40	0.14	0.034759
2857.60	0.14	0.034722
2857.80	0.14	0.034684
2858.00	0.14	0.034646
2858.20	0.14	0.034608
2858.40	0.14	0.034571
2858.60	0.14	0.034533
2858.80	0.14	0.034495
2859.00	0.14	0.034457

2859.20	0.14	0.034420
2859.40	0.14	0.034382
2859.60	0.14	0.034344
2859.80	0.14	0.034306
2860.00	0.14	0.034268
2860.20	0.14	0.034231
2860.40	0.14	0.034193
2860.60	0.14	0.034155
2860.80	0.14	0.034117
2861.00	0.14	0.034080
2861.20	0.14	0.034042
2861.40	0.14	0.034004
2861.60	0.14	0.033966
2861.80	0.14	0.033929
2862.00	0.14	0.033891
2862.20	0.14	0.033853
2862.40	0.14	0.033815
2862.60	0.14	0.033777
2862.80	0.14	0.033740
2863.00	0.14	0.033702
2863.20	0.14	0.033664
2863.40	0.14	0.033626
2863.60	0.14	0.033589
2863.80	0.14	0.033551
2864.00	0.14	0.033513
2864.20	0.14	0.033475
2864.40	0.14	0.033438
2864.60	0.14	0.033400
2864.80	0.14	0.033362
2865.00	0.14	0.033324
2865.20	0.14	0.033286
2865.40	0.14	0.033249
2865.60	0.14	0.033211
2865.80	0.14	0.033173
2866.00	0.14	0.033135
2866.20	0.14	0.033098
2866.40	0.14	0.033060
2866.60	0.14	0.033022
2866.80	0.14	0.032984
2867.00	0.14	0.032947
2867.20	0.14	0.032909
2867.40	0.14	0.032871
2867.60	0.14	0.032833
2867.80	0.14	0.032795
2868.00	0.14	0.032758
2868.20	0.14	0.032720
2868.40	0.14	0.032682
2868.60	0.14	0.032644
2868.80	0.14	0.032607
2869.00	0.14	0.032569
2869.20	0.14	0.032531
2869.40	0.14	0.032493
2869.60	0.14	0.032456
2869.80	0.14	0.032418
2870.00	0.14	0.032380
2870.20	0.14	0.032342
2870.40	0.14	0.032304

2870.60	0.14	0.032267
2870.80	0.14	0.032229
2871.00	0.14	0.032191
2871.20	0.14	0.032153
2871.40	0.14	0.032116
2871.60	0.14	0.032078
2871.80	0.14	0.032040
2872.00	0.14	0.032002
2872.20	0.14	0.031965
2872.40	0.14	0.031927
2872.60	0.14	0.031889
2872.80	0.14	0.031851
2873.00	0.14	0.031813
2873.20	0.14	0.031776
2873.40	0.14	0.031738
2873.60	0.14	0.031700
2873.80	0.14	0.031662
2874.00	0.14	0.031625
2874.20	0.14	0.031587
2874.40	0.14	0.031549
2874.60	0.14	0.031511
2874.80	0.14	0.031474
2875.00	0.14	0.031436
2875.20	0.14	0.031398
2875.40	0.14	0.031360
2875.60	0.14	0.031323
2875.80	0.14	0.031285
2876.00	0.14	0.031247
2876.20	0.14	0.031209
2876.40	0.14	0.031171
2876.60	0.14	0.031134
2876.80	0.14	0.031096
2877.00	0.14	0.031058
2877.20	0.14	0.031020
2877.40	0.14	0.030983
2877.60	0.14	0.030945
2877.80	0.14	0.030907
2878.00	0.14	0.030869
2878.20	0.14	0.030832
2878.40	0.14	0.030794
2878.60	0.14	0.030756
2878.80	0.14	0.030718
2879.00	0.14	0.030680
2879.20	0.14	0.030643
2879.40	0.14	0.030605
2879.60	0.14	0.030567
2879.80	0.14	0.030529
2880.00	0.14	0.030492
2880.20	0.14	0.030454
2880.40	0.14	0.030416
2880.60	0.14	0.030378
2880.80	0.14	0.030341
2881.00	0.14	0.030303
2881.20	0.14	0.030265
2881.40	0.14	0.030227
2881.60	0.14	0.030189
2881.80	0.14	0.030152

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2882.60	0.14	0.030001
2882.80	0.14	0.029963
2883.00	0.14	0.029925
2883.20	0.14	0.029887
2883.40	0.14	0.029850
2883.60	0.14	0.029812
2883.80	0.14	0.029774
2884.00	0.14	0.029736
2884.20	0.14	0.029698
2884.40	0.14	0.029661
2884.60	0.14	0.029623
2884.80	0.14	0.029585
2885.00	0.14	0.029547
2885.20	0.14	0.029510
2885.40	0.14	0.029472
2885.60	0.14	0.029434
2885.80	0.14	0.029396
2886.00	0.14	0.029359
2886.20	0.14	0.029321
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2887.20	0.14	0.029132
2887.40	0.14	0.029094
2887.60	0.14	0.029056
2887.80	0.14	0.029019
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2889.00	0.14	0.028792
2889.20	0.14	0.028754
2889.40	0.14	0.028716
2889.60	0.14	0.028679
2889.80	0.14	0.028641
2890.00	0.14	0.028603
2890.20	0.14	0.028565
2890.40	0.14	0.028528
2890.60	0.14	0.028490
2890.80	0.14	0.028452
2891.00	0.14	0.028414
2891.20	0.14	0.028377
2891.40	0.14	0.028339
2891.60	0.14	0.028301
2891.80	0.14	0.028263
2892.00	0.14	0.028225
2892.20	0.14	0.028188
2892.40	0.14	0.028150
2892.60	0.14	0.028112
2892.80	0.14	0.028074
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2893.60	0.14	0.027923
2893.80	0.14	0.027886
2894.00	0.14	0.027848
2894.20	0.14	0.027810
2894.40	0.14	0.027772
2894.60	0.14	0.027735
2894.80	0.14	0.027697
2895.00	0.14	0.027659
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2895.40	0.14	0.027583
2895.60	0.14	0.027546
2895.80	0.14	0.027508
2896.00	0.14	0.027470
2896.20	0.14	0.027432
2896.40	0.14	0.027395
2896.60	0.14	0.027357
2896.80	0.14	0.027319
2897.00	0.14	0.027281
2897.20	0.14	0.027244
2897.40	0.14	0.027206
2897.60	0.14	0.027168
2897.80	0.14	0.027130
2898.00	0.14	0.027092
2898.20	0.14	0.027055
2898.40	0.14	0.027017
2898.60	0.14	0.026979
2898.80	0.14	0.026941
2899.00	0.14	0.026904
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2899.40	0.14	0.026828
2899.60	0.14	0.026790
2899.80	0.14	0.026753
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2900.20	0.14	0.026677
2900.40	0.14	0.026639
2900.60	0.14	0.026601
2900.80	0.14	0.026564
2901.00	0.14	0.026526
2901.20	0.14	0.026488
2901.40	0.14	0.026450
2901.60	0.14	0.026413
2901.80	0.14	0.026375
2902.00	0.14	0.026337
2902.20	0.14	0.026299
2902.40	0.14	0.026262
2902.60	0.14	0.026224
2902.80	0.14	0.026186
2903.00	0.14	0.026148
2903.20	0.14	0.026110
2903.40	0.14	0.026073
2903.60	0.14	0.026035
2903.80	0.14	0.025997
2904.00	0.14	0.025959
2904.20	0.14	0.025922
2904.40	0.14	0.025884
2904.60	0.14	0.025846

2904.80	0.14	0.025808
2905.00	0.14	0.025771
2905.20	0.14	0.025733
2905.40	0.14	0.025695
2905.60	0.14	0.025657
2905.80	0.14	0.025619
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2906.20	0.14	0.025544
2906.40	0.14	0.025506
2906.60	0.14	0.025468
2906.80	0.14	0.025431
2907.00	0.14	0.025393
2907.20	0.14	0.025355
2907.40	0.14	0.025317
2907.60	0.14	0.025280
2907.80	0.14	0.025242
2908.00	0.14	0.025204
2908.20	0.14	0.025166
2908.40	0.14	0.025128
2908.60	0.14	0.025091
2908.80	0.14	0.025053
2909.00	0.14	0.025015
2909.20	0.14	0.024977
2909.40	0.14	0.024940
2909.60	0.14	0.024902
2909.80	0.14	0.024864
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2910.20	0.14	0.024789
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2910.60	0.14	0.024713
2910.80	0.14	0.024675
2911.00	0.14	0.024637
2911.20	0.14	0.024600
2911.40	0.14	0.024562
2911.60	0.14	0.024524
2911.80	0.14	0.024486
2912.00	0.14	0.024449
2912.20	0.14	0.024411
2912.40	0.14	0.024373
2912.60	0.14	0.024335
2912.80	0.14	0.024298
2913.00	0.14	0.024260
2913.20	0.14	0.024222
2913.40	0.14	0.024184
2913.60	0.14	0.024146
2913.80	0.14	0.024109
2914.00	0.14	0.024071
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2914.40	0.14	0.023995
2914.60	0.14	0.023958
2914.80	0.14	0.023920
2915.00	0.14	0.023882
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2915.40	0.14	0.023807
2915.60	0.14	0.023769
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2916.40	0.14	0.023618
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2916.80	0.14	0.023542
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2917.20	0.14	0.023467
2917.40	0.14	0.023429
2917.60	0.14	0.023391
2917.80	0.14	0.023353
2918.00	0.14	0.023316
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2918.80	0.14	0.023165
2919.00	0.14	0.023127
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2921.60	0.14	0.022636
2921.80	0.14	0.022598
2922.00	0.14	0.022560
2922.20	0.14	0.022522
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2922.60	0.14	0.022447
2922.80	0.14	0.022409
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2924.40	0.14	0.022107
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2927.00	0.14	0.021616
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2927.80	0.14	0.021465
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2930.00	0.14	0.021049
2930.20	0.14	0.021012
2930.40	0.14	0.020974
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2931.60	0.14	0.020747
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2932.60	0.14	0.020558
2932.80	0.14	0.020521
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2933.40	0.14	0.020407
2933.60	0.14	0.020370
2933.80	0.14	0.020332
2934.00	0.14	0.020294
2934.20	0.14	0.020256
2934.40	0.14	0.020219
2934.60	0.14	0.020181
2934.80	0.14	0.020143
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2935.40	0.14	0.020030
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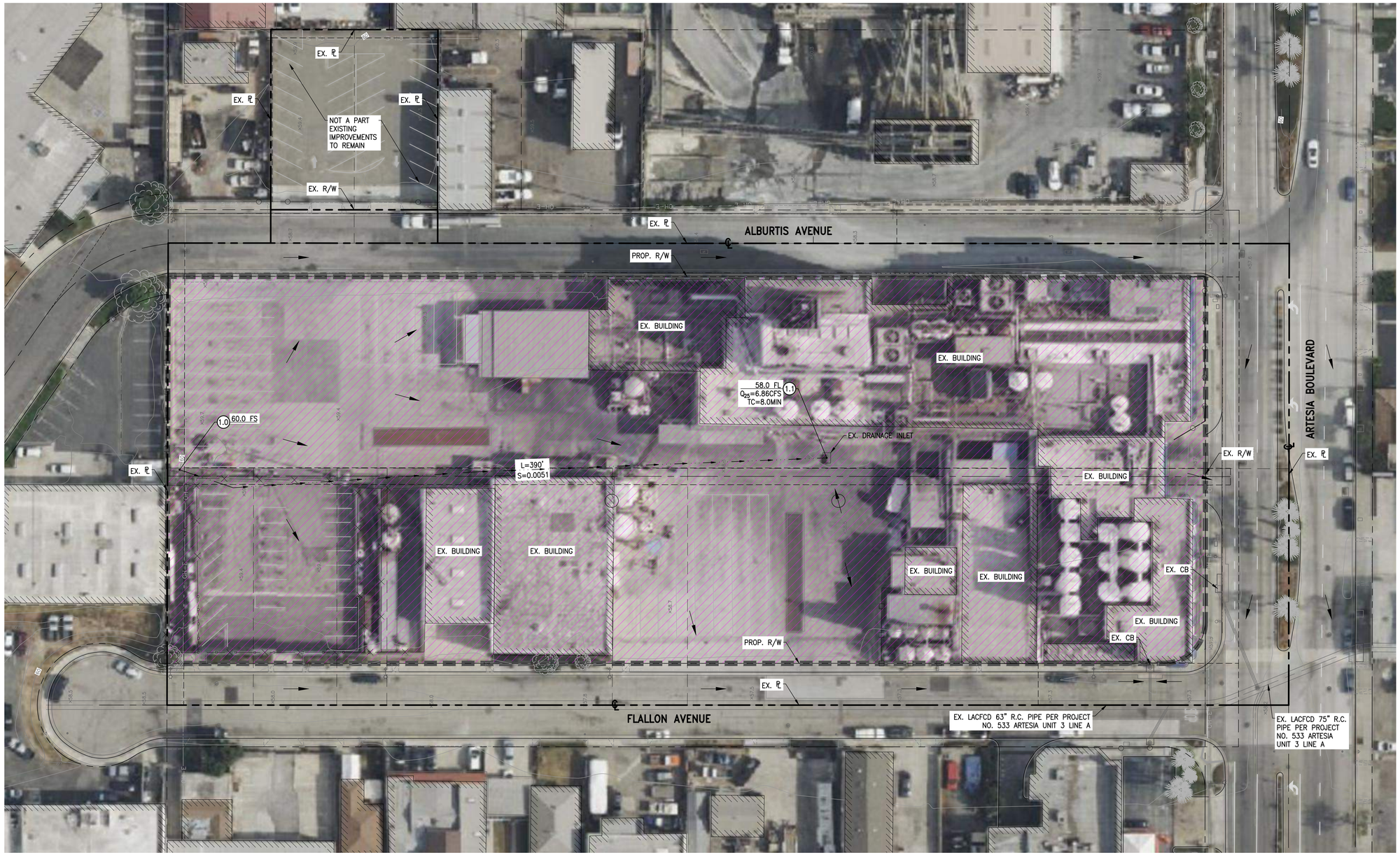
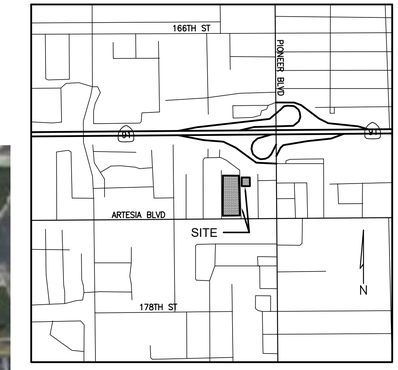
3036.40	0.14	0.000957
3036.60	0.14	0.000919
3036.80	0.14	0.000881
3037.00	0.14	0.000843
3037.20	0.14	0.000806
3037.40	0.14	0.000768
3037.60	0.14	0.000730
3037.80	0.14	0.000692
3038.00	0.14	0.000655
3038.20	0.14	0.000617
3038.40	0.14	0.000579
3038.60	0.14	0.000541
3038.80	0.14	0.000503
3039.00	0.14	0.000466
3039.20	0.14	0.000428
3039.40	0.14	0.000390
3039.60	0.14	0.000352
3039.80	0.00	0.000352

APPENDIX D

Preliminary Existing Conditions Hydrology Map

PRELIMINARY PRE-DEVELOPMENT HYDROLOGY MAP





VICINITY MAP

N.T.S.

LEGEND:

- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- SITE BOUNDARY
- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- EXISTING EASEMENT LINE
- FLOW DIRECTION
- FLOW LINE
- 1 00.00 — INITIAL SUBAREA NODE; SPOT ELEVATION
- Q_{25} =X.XX CFS — PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS)
- Tc=X.X MIN — TIME OF CONCENTRATION IN MINUTES (MIN) PROVIDED FOR 100-YR STORM EVENT

DMA	COLOR	LANDUSE	AREA (SF)	AREA (AC)	IMPERVIOUS %
XA		INDUSTRIAL	143,935	3.30	100%

NOTE: EXISTING DEVELOPMENT IMPERVIOUS COVERS ARE BASED ON GEOSPATIAL IMAGERY AND REFERENCE FROM LOS ANGELES COUNTY HYDROLOGY MANUAL.

SCALE: 1" = 30'

15 30 60

REVISIONS

NO.	DATE	DESCRIPTION	BY

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

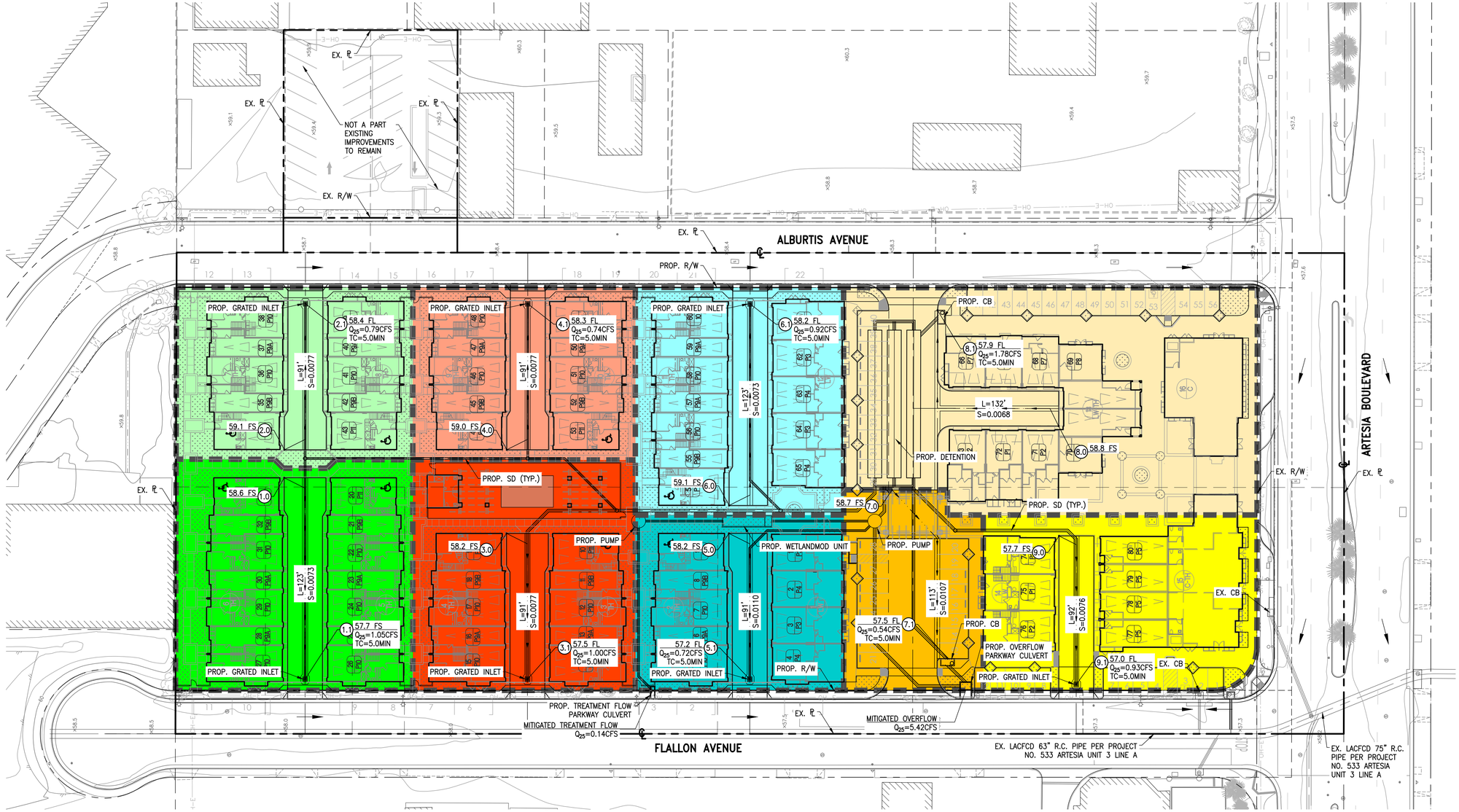
VTTM NO. 83834
11709 ARTESIA BOULEVARD
CITY OF ARTESIA
COUNTY OF LOS ANGELES, CALIFORNIA
SHEET 1 OF 1 SHEETS

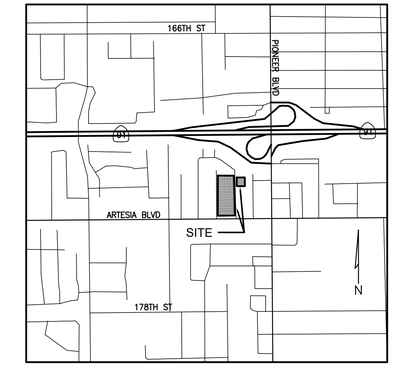
PROJ: CTHR-006 DWG: P:\C\CTHR-006\dwg\Sheets_EX\HYD\X-HYD-PRE.dwg BY: Adam Jun 10, 2022 - 2:52:02pm

APPENDIX E

Preliminary Proposed Conditions Hydrology Map

PRELIMINARY POST-DEVELOPMENT HYDROLOGY MAP





VICINITY MAP

N.T.S.

LEGEND:

- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- SITE BOUNDARY
- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- EXISTING EASEMENT LINE
- FLOW DIRECTION
- FLOW LINE
- PERVIOUS AREA
- INITIAL SUBAREA NODE
- SPOT ELEVATION
- PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS)
- TIME OF CONCENTRATION IN MINUTES (MIN) PROVIDED FOR 100-YR STORM EVENT

DMA	COLOR	LANDUSE	AREA (SF)	AREA (AC)	IMPERVIOUS %
A-1		RESIDENTIAL	17,948	0.41	83%
A-2		RESIDENTIAL	13,623	0.31	79%
A-3		RESIDENTIAL	16,970	0.39	88%
A-4		RESIDENTIAL	12,693	0.29	87%
A-5		RESIDENTIAL	12,082	0.28	87%
A-6		RESIDENTIAL	15,676	0.36	90%
A-7		RESIDENTIAL	8,959	0.21	95%
A-8		RESIDENTIAL	30,236	0.69	97%
A-9		RESIDENTIAL	15,748	0.36	97%

NOTE: PROPOSED DEVELOPMENT IMPERVIOUS COVERS ARE DELINEATED PER LANDSCAPE PLAN PER THIS EXHIBIT.

SCALE: 1" = 30'

15 30 60

REVISIONS

NO.	DATE	DESCRIPTION	BY

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

VTTM NO. 83834
11709 ARTESIA BOULEVARD
CITY OF ARTESIA
COUNTY OF LOS ANGELES, CALIFORNIA
SHEET 1 OF 1 SHEETS

0

APPENDIX F

Hydraulic Calculation

(To be Provided in Final Engineering)

APPENDIX G

References

STORM WATER COLLECTION AND TREATMENT SYSTEM

11709 Artesia Boulevard Artesia, CA
12,817 cu ft

SPECIFICATION FOR CISTERN SYSTEM

THIS DOCUMENT WILL GOVERN THE FURNISHING AND INSTALLATION OF ALUMINIZED CORRUGATED METAL PIPE CISTERNS FOR UNDERGROUND WATER STORAGE FOR NOMINAL DIAMETERS 12" (300MM) THROUGH 120" (3000MM).

THE MANUFACTURER OF THE CISTERN SYSTEM SHALL BE ONE THAT HAS REGULARLY BEEN ENGAGED IN THE ENGINEERING DESIGN AND PRODUCTION OF THESE SYSTEMS AND WHICH HAS A HISTORY OF SUCCESSFUL PRODUCTION, ACCEPTABLE TO THE ENGINEER OF RECORD (EOR). IN ACCORDANCE WITH THE DRAWINGS, THE CISTERN SYSTEM SHALL BE SUPPLIED BY: SANTA FE WINWATER COMPANY, 10244 FREEMAN AVE, SANTA FE SPRINGS, CA 90670.
TEL: 1-562-777-9724

SAMPLING, TESTING, AND INSPECTION OF MATERIALS USED FOR MANUFACTURING OF THE CISTERN SYSTEM SHALL BE IN ACCORDANCE WITH APPLICABLE ASTM SPECIFICATIONS. ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES UNLESS OTHERWISE NOTED.

THE CISTERN SHALL BE CAPABLE OF INSTALLATION IN SOIL WITH A pH RANGE OF 5 TO 9. FOR SOIL pH OUTSIDE THE RANGE OF 5 TO 9, CONSULT WITH SPECIFYING ENGINEER PRIOR TO ORDERING TO DETERMINE IF ADDITIONAL CISTERN COATING SYSTEM NEED BE CONSIDERED.

THE HYDRAULIC SYSTEM SHALL BE PRE-ASSEMBLED AND TESTED AT FACTORY PRIOR TO SHIPMENT. INSPECTION AND TESTING PROTOCOLS SHALL BE DECIDED BY THE SPECIFYING ENGINEER ACCORDING TO SYSTEM REQUIREMENTS. A COPY OF THE TEST REPORT MUST BE PROVIDED TO THE ENGINEER OF RECORD IF REQUESTED.

UPON REQUEST, THE CISTERN SYSTEM INLETS SHALL BE EQUIPPED WITH AN INLET CALMING DEVICE TO ALLOW INTRODUCTION OF WATER TO THE TANK WITH LITTLE TO NO TURBULENCE.

THE CISTERN SYSTEM SHALL BE FITTED WITH A MIN. 4" OUTLET OR PERFORATED MANHOLE COVERS FOR VENTING, DEPENDANT UPON SITE CONDITIONS AND DIRECTION BY SPECIFYING ENGINEER. OVERFLOW PIPE SHALL BE PROVIDED UPON REQUEST BY SPECIFYING ENGINEER.

SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.

ACCESS COVERS SHALL BE A MINIMUM OF 24-INCH DIAMETER TO PROVIDE ADEQUATE INSPECTION AND MAINTENANCE WITHOUT RESTRICTIONS AND OBSTRUCTIONS TO ENTRY INTO INTERIOR OF THE CISTERN. COVERS SHALL BE WATERTIGHT, DO NOT SLIDE, ROTATE, OR FLIP OPEN AND ARE CAPABLE OF SUPPORTING DESIGN LOADS.

PRIOR TO SHIPMENT, CISTERN SYSTEM MAY BE INSPECTED AT FACTORY BY OWNER'S AUTHORIZED REPRESENTATIVE UPON REQUEST.

INSTALLATION

THE CONTRACTOR SHALL FOLLOW OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION (OSHA) GUIDELINES FOR SAFE PRACTICES IN EXECUTING THE INSTALLATION PROCESS IN ACCORDANCE WITH THE MANUFACTURER/SUPPLIER INSTALLATION RECOMMENDATIONS.

A NON-WOVEN GEOTEXTILE FILTER FABRIC IS RECOMMENDED TO BE INSTALLED IN EXCAVATION, OR OTHER MEASURES SHOULD BE TAKEN, TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE INITIAL BACKFILL MATERIAL, WHEN REQUIRED BY THE GEOTECHNICAL ENGINEER OR E.O.R.

TRENCH BOTTOM (FOUNDATION) WITH UNSTABLE OR UNYIELDING MATERIAL SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNSTABLE MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE TRENCH BOTTOM, IF DIRECTED BY THE ENGINEER.

SUITABLE BEDDING MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321. MINIMUM BEDDING THICKNESS SHALL BE 4" (100 mm) AS MEASURED FROM OUTER PIPE DIAMETER.

INITIAL BACKFILL MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321. COMPACTION AND BACKFILL LIFTS SHALL BE IN ACCORDANCE WITH ASTM D2321. INITIAL BACKFILL SHALL EXTEND TO NOT LESS THAN 6" (150 mm) ABOVE THE TOP OF THE CISTERN.

MINIMUM COVER FOR UP TO H-25 TRAFFIC APPLICATIONS:
- 12" FOR PIPE DIAMETER UP TO 72" DIAMETER
- 18" FOR DIAMETER OVER 72".

MINIMUM COVER SHALL BE MEASURED FROM THE TOP OF THE PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO THE TOP OF RIGID PAVEMENT. ADDITIONAL COVER MAY BE REQUIRED FOR CONSTRUCTION LOADS, FOR VEHICLES OVER 75T (68 metric tons) OR TO PREVENT FLOATATION.

FINAL BACKFILL MATERIAL SHALL BE SUITABLE MATERIALS AS DIRECTED BY THE ENGINEER OR AS INDICATED BY MANUFACTURER. FOR AREAS SUBJECTED TO HEAVY TRAFFIC LOADING, A HIGHER DEGREE OF COMPACTION IS NECESSARY AND A SEPARATION LAYER OF NON-WOVEN GEOTEXTILE MAY BE REQUIRED. COMPACTION LEVELS AND/OR GEOTEXTILE MAY BE SPECIFIED AT THE DISCRETION OF THE DESIGN ENGINEER OR MANUFACTURER'S REPRESENTATIVE.

CONSULT THE INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

GENERAL NOTES

PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR TO REVIEW MANUFACTURER'S INSTALLATION GUIDE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROJECT ENGINEER TO ENSURE THAT ALL QUESTIONS ABOUT INSTALLATION ARE ADDRESSED PRIOR TO APPROVAL OF SYSTEM. ALL DETAILS FOR INSTALLATION ARE LOCATED IN THIS DRAWING PACKAGE, OR UPON REQUEST TO PIPING MANUFACTURER. ANY QUESTIONS CONCERNING THESE STANDARD DETAILS CAN BE ADDRESSED BY THE CISTERN MANUFACTURER'S REPRESENTATIVE PRIOR TO APPROVAL.

ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.

PRIOR TO INSTALLATION OF THE SYSTEM, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.

CONTRACTOR(S) SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE CISTERN SYSTEM, APPURTENANCES AND INCIDENTALS IN ACCORDANCE WITH THE DRAWINGS AND AS SPECIFIED HEREIN.

A STORM WATER TREATMENT DEVICE UPSTREAM OF THE CISTERN SYSTEM IS RECOMMENDED AS THE APPROPRIATE MEANS OF PRETREATING TO EXTEND THE MAINTENANCE INTERVAL ON THE SYSTEM AND REDUCE LIFE CYCLE COSTS. BOTH ENGINEERED SOLUTIONS SHALL BE PROVIDED BY A SINGLE SUPPLIER/MANUFACTURER.

PRIOR TO SYSTEM START UP, ANY ACCUMULATED WATER AND DEBRIS SHALL BE REMOVED FROM THE CISTERN TANK(S) AND ANY ACCOMPANYING TREATMENT SYSTEMS AND PUMP VAULTS.

BELOW GRADE SYSTEM MARKING TAPE, IF REQUIRED BY LOCAL ORDINANCE, CAN BE SUPPLIED UPON REQUEST. CONTACT SFWW WITH REQUIREMENT DETAILS.

ALL ITEMS SHOWN SHALL BE PROVIDED BY SANTA FE WINWATER AS A COMPLETE STORMWATER MANAGEMENT SYSTEM. ANY SUBSTITUTIONS OR OMISSIONS MAY VOID WARRANTY.

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF **SANTA FE WINWATER COMPANY**. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SANTA FE WINWATER COMPANY IS PROHIBITED.

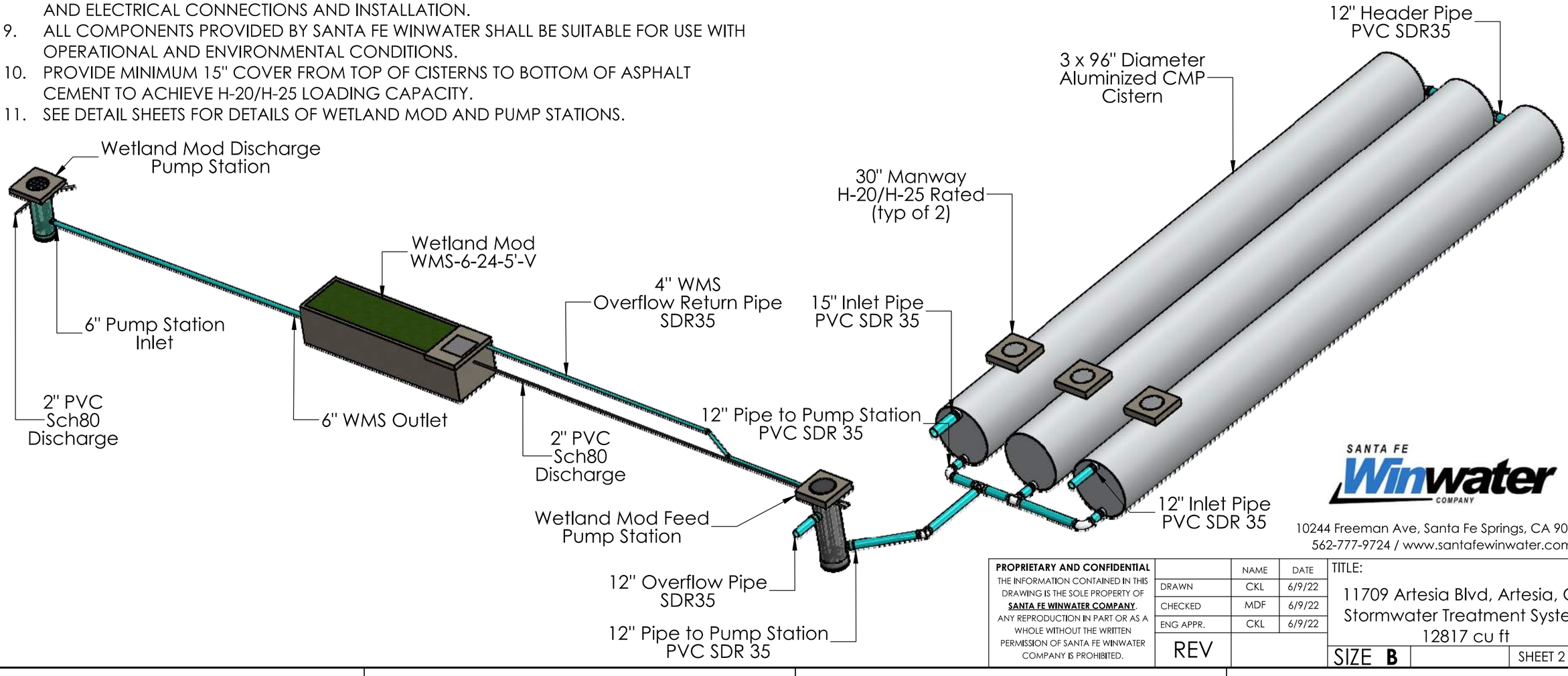
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 1 OF 7

NOTES:

1. ALL ITEMS SHOWN SHALL BE PROVIDED BY SANTA FE WINWATER AS A COMPLETE STORMWATER MANAGEMENT SYSTEM. ANY SUBSTITUTIONS OR OMISSIONS MAY VOID WARRANTY.
2. MODULAR WETLAND TO BE MODEL WMS-6-24-5'-V, MANUFACTURED BY BIOCLEAN ENVIRONMENTAL SERVICES, INC. AND SUPPLIED BY SANTA FE WINWATER COMPANY.
3. STORAGE SYSTEM TO BE 96" ALUMINIZED CMP AS SUPPLIED BY SANTA FE WINWATER COMPANY.
4. SEE CIVIL SHEETS FOR UNIT LOCATIONS.
5. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE NOMINAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE ON-SITE CONTRACTOR OR CUSTOMER TO VERIFY THE ACCURACY OF ANY CRITICAL DIMENSIONS OR ELEVATIONS PRIOR TO SETTING OR INSTALLING ANY EQUIPMENT.
6. ALL MATERIALS SHALL BE DELIVERED TO THE SITE AFTER EXCAVATIONS HAVE BEEN EXCAVATED AND SHORED. THE CONTRACTOR SHALL SUPPLY A CRANE OF SUFFICIENT SIZE TO LOWER ALL PIECES INTO THE HOLE SAFELY. THE CONTRACTOR SHALL INSTALL ALL ITEMS.
7. UPON ESTABLISHMENT OF PRIOR AGREEMENT, SANTA FE WINWATER COMPANY WILL PROVIDE A REPRESENTATIVE FOR TECHNICAL ASSISTANCE ON THE DAY OF INSTALLATION TO ANSWER ANY QUESTIONS THAT MAY ARISE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL REINFORCED CONCRETE PADS AND COLLARS, PLUMBING AND ELECTRICAL CONNECTIONS AND INSTALLATION.
9. ALL COMPONENTS PROVIDED BY SANTA FE WINWATER SHALL BE SUITABLE FOR USE WITH OPERATIONAL AND ENVIRONMENTAL CONDITIONS.
10. PROVIDE MINIMUM 15" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CEMENT TO ACHIEVE H-20/H-25 LOADING CAPACITY.
11. SEE DETAIL SHEETS FOR DETAILS OF WETLAND MOD AND PUMP STATIONS.



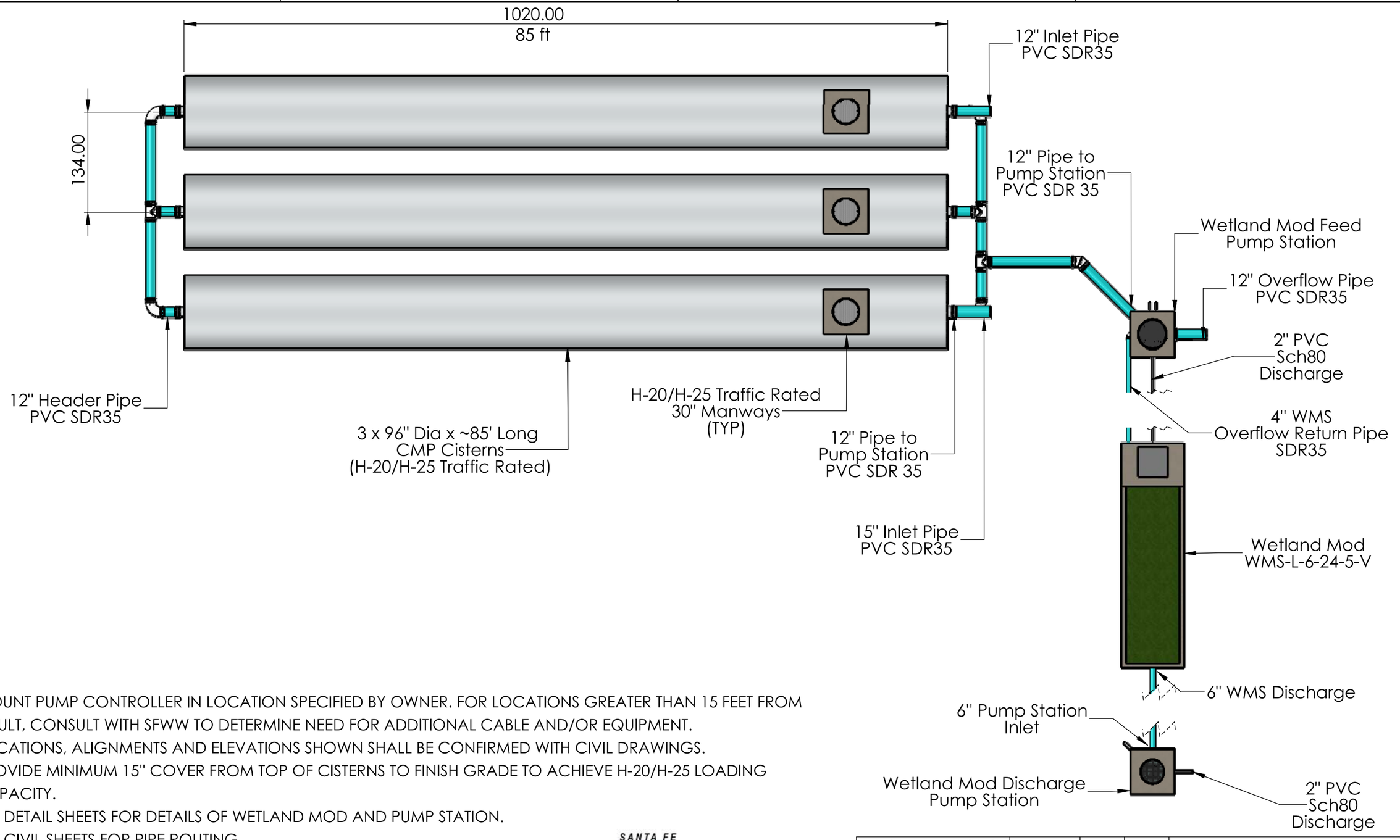
SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF **SANTA FE WINWATER COMPANY**. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SANTA FE WINWATER COMPANY IS PROHIBITED.

	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 2 OF 7



NOTES:

1. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWW TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
2. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
3. PROVIDE MINIMUM 15" COVER FROM TOP OF CISTERNS TO FINISH GRADE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
4. SEE DETAIL SHEETS FOR DETAILS OF WETLAND MOD AND PUMP STATION.
5. SEE CIVIL SHEETS FOR PIPE ROUTING.
6. INVERT ELEVATION OF OVERFLOW PIPE SHALL PEAK ABOVE INSIDE TOP OF CISTERN.

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

PROPRIETARY AND CONFIDENTIAL
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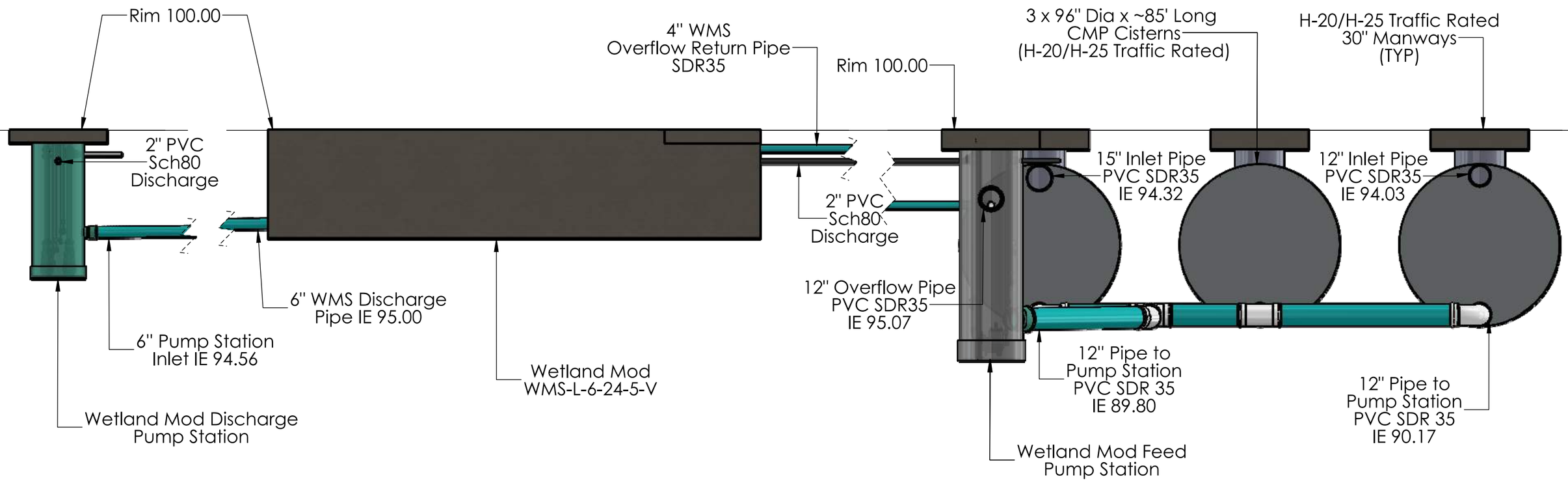
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 3 OF 7



NOTES:

1. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWW TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
2. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
3. PROVIDE MINIMUM 15" COVER FROM TOP OF CISTERNS TO FINISH GRADE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
4. SEE DETAIL SHEETS FOR DETAILS OF WETLAND MOD AND PUMP STATION.
5. SEE CIVIL SHEETS FOR PIPE ROUTING.
6. INVERT ELEVATION OF OVERFLOW PIPE SHALL PEAK ABOVE INSIDE TOP OF CISTERN.
7. FINISH GRADE ELEVATIONS SHOWN ON THIS SHEET ARE GENERIC AND DO NOT MATCH SITE CONDITIONS. THEY ARE USED TO SHOW RELATIVE DEPTH OF THE SYSTEM COMPONENTS.

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

PROPRIETARY AND CONFIDENTIAL
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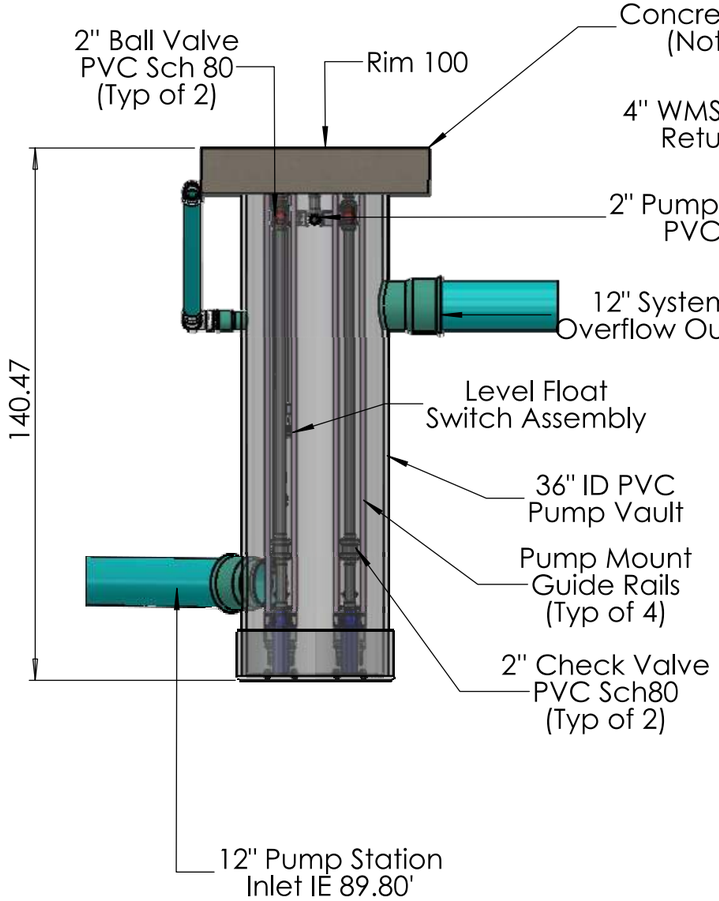
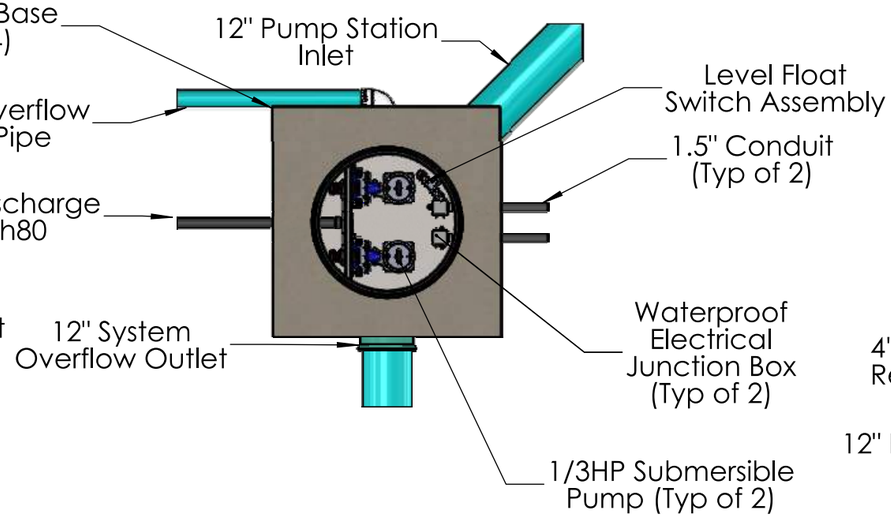
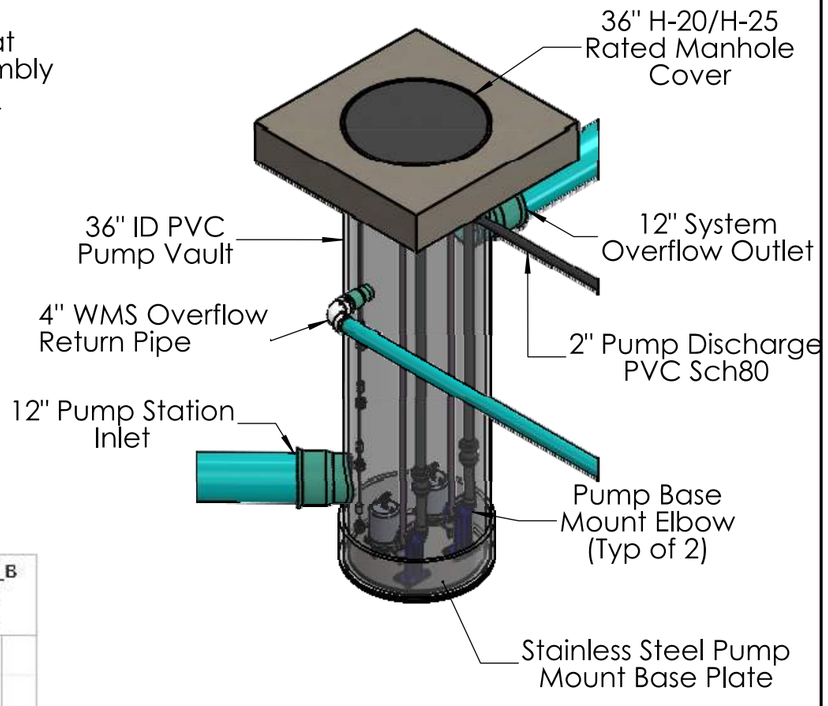
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

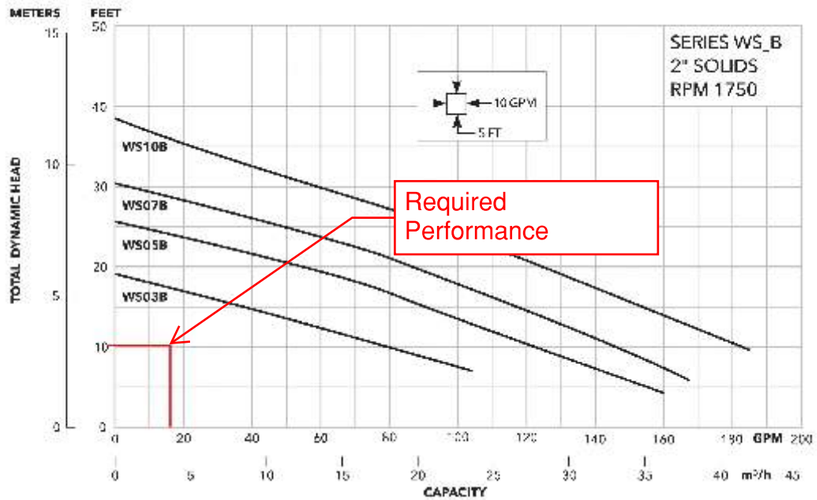
TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 4 OF 7









NOTES:

1. All materials shown on this sheet shall be supplied by Santa Fe WinWater Company, Santa Fe Springs, CA, except where noted. Pumps shall be SFWW SWP-3, 115v, 12A. Substitution of any component may void warranty.
2. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
3. Route 2" pump system outlet and 12" Overflow pipe as shown on Civil Sheets. 12" Overflow pipe not required for treatment discharge pump systems.
4. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
5. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
6. Pump performance requirements based on 96 hour drawdown of 12,817 cu ft = 16.5 gpm.

Pump Station Headloss Calculation (Hazen-Williams) (For Complete Calculations, please contact SFWW)	
Pipe length 2" PVC Sch80 = 66'	0.53'
Check Valve (1)	0.12'
90 Degree Bends (2)	0.07'
Tee (Main to branch)	0.09'
Pipe Exit (1)	0.05'
Elevation Head	9.25'
TOTAL DISCHARGE HEAD REQ'D @ 16.5gpm	**10.11'**

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

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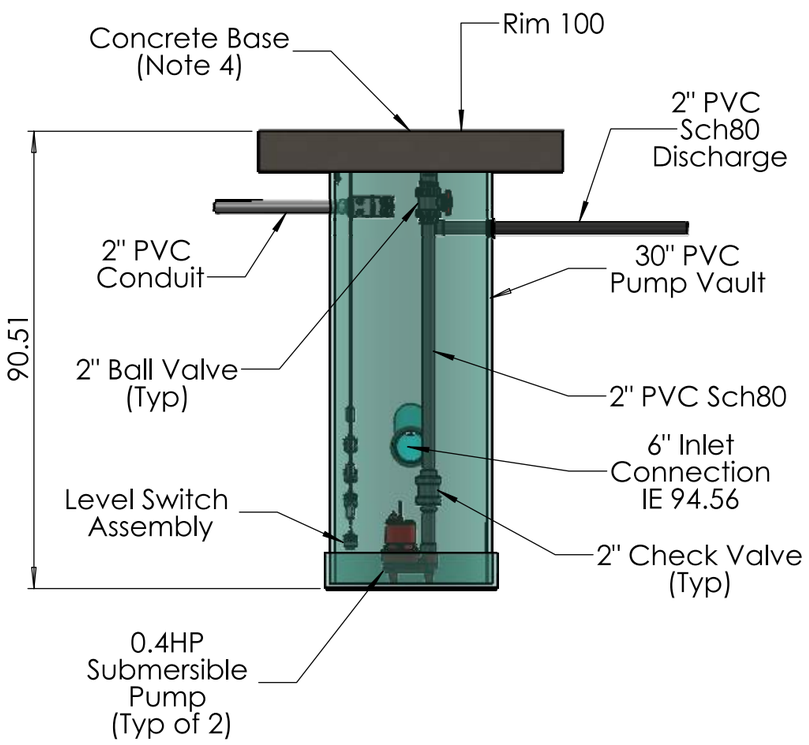
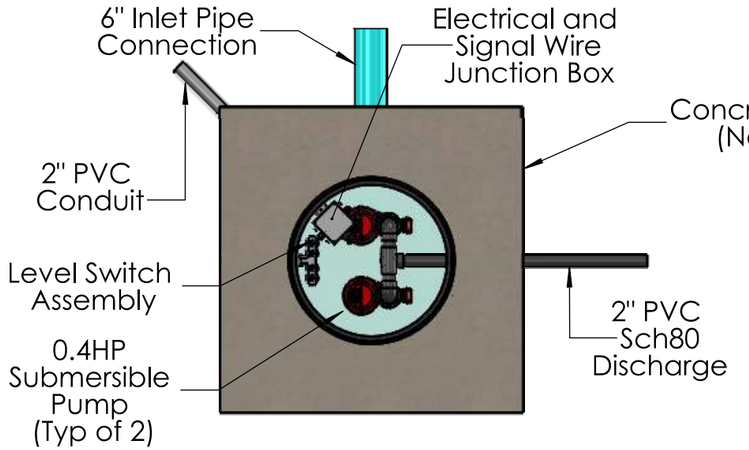
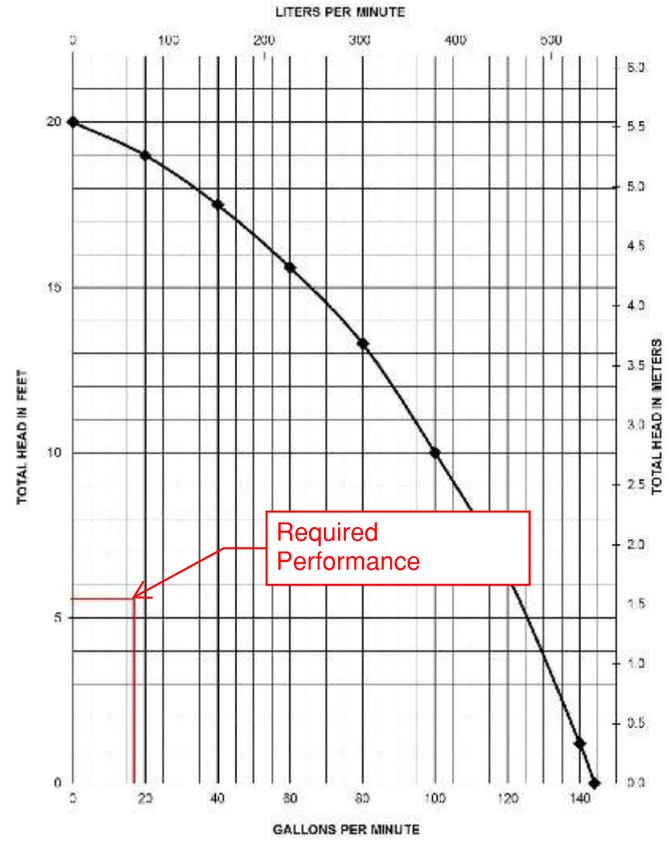
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	DB	6/9/22
ENG APPR.	CKL	6/9/22
REV		

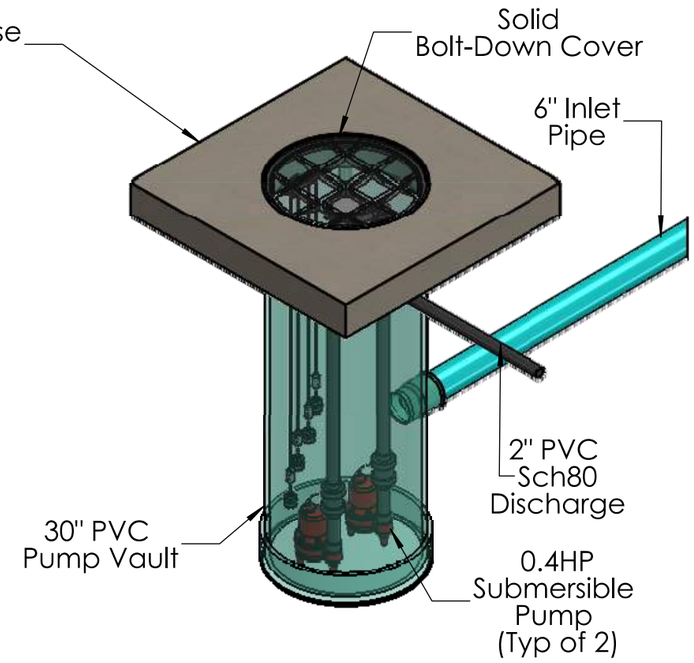
TITLE:
11709 Artesia Blvd. Artesia, CA
Stromwater Feed Pump
Station

SIZE **B** | SHEET 5 OF 7









NOTES:

1. All materials shown on this sheet shall be supplied by Santa Fe WinWater Company, Santa Fe Springs, CA, except where noted. Pumps shall be SFWW SWP-4, 115v, 3A. Substitution of any component may void warranty.
2. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
3. Route 2" pump system outlet and 12" Overflow pipe as shown on Civil Sheets. 12" Overflow pipe not required for treatment discharge pump systems.
4. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
5. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
6. Pump performance requirements based on 96 hour drawdown of 12,817 cu ft = 16.5 gpm.

Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	10.2'	0.08'
Check Valve	1	0.12'
90 Elbow	2	0.07'
Tee	1	0.09'
Exit	1	0.05'
Elevation Head		5.25'
Total Headloss @ 16.5 gpm		5.67'

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

PROPRIETARY AND CONFIDENTIAL
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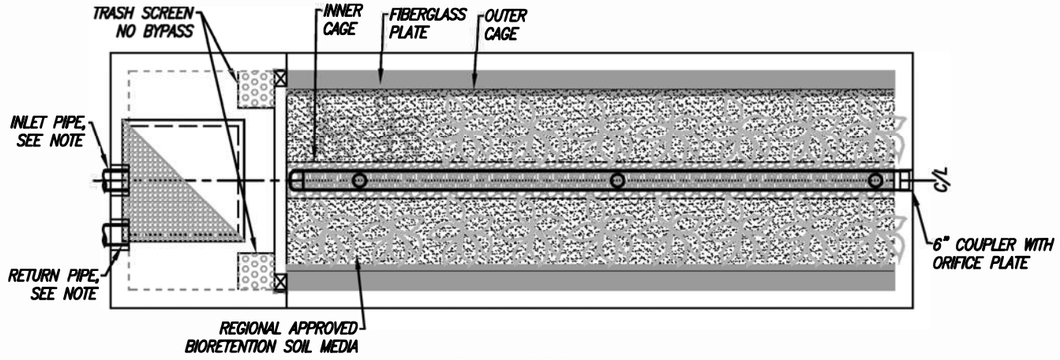
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

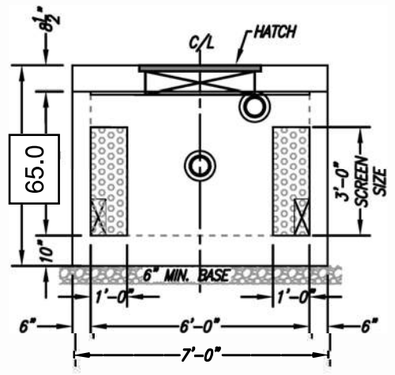
TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Discharge Pump Station

SIZE **B** | SHEET 6 OF 7

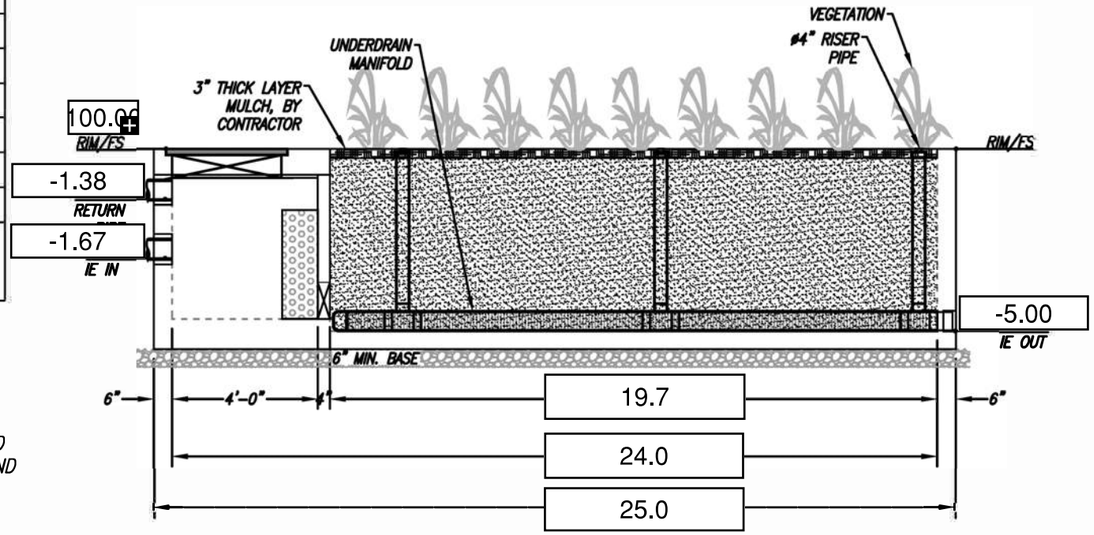
SITE SPECIFIC DATA			
PROJECT ID			
PROJECT NAME		11709 Artesia Blvd	
PROJECT LOCATION		Artesia, CA	
STRUCTURE ID			
TREATMENT REQUIRED			
VOLUME BASED (CF)		FLOW BASED (CFS)	
12,712.80		---	
TREATMENT HGL AVAILABLE (FT)			---
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE			OFFLINE
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE	-1.67	PVC SCH80	2"
RETURN PIPE	-1.38	PVC SDR35	4"
OUTLET PIPE	-5.00	PVC–SDR35	6"
	PRETREATMENT	BIOFILTRATION	N/A
RIM ELEVATION	100.00	100.00	N/A
SURFACE LOAD	PEDESTRIAN	OPEN PLANTER	N/A
FRAME & COVER	36" X 36"	N/A	N/A
LA COUNTY MEDIA MIX VOLUME (CY)			---
GRAVEL LAYER WITHIN MEDIA CHAMBER (CY)			---
ORIFICE DIAMETER (IN)			---
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			



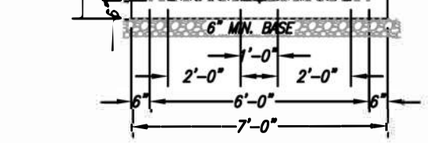
PLAN VIEW



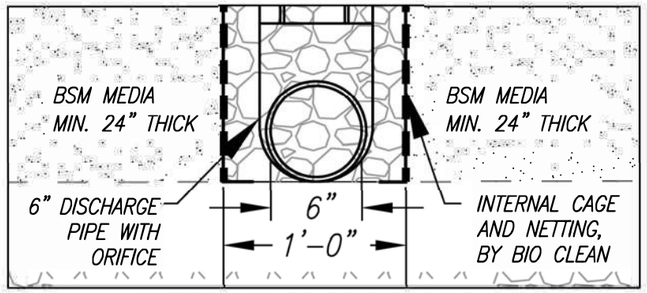
INLET VIEW



ELEVATION VIEW



OUTLET VIEW



INTERNAL CAGE DETAILS

REQUIRED HORIZ. MEDIA THICKNESS (INCHES)	24
TREATMENT VOLUME (CF)	12,712.80
TARGETED DRAINDOWN DURATION (HR)	96.0
WETLANDMEDIA INFILTRATION RATE (IN/HR)	12.0
WETLANDMEDIA LOADING RATE (GPM/SF)	0.12
DISCHARGE RATE (CFS)	0.04
REQUIRED TOTAL MEDIA SURFACE AREA (SF)	137.57
PROVIDED TOTAL MEDIA SURFACE AREA (SF)	140.92
NUMBER OF ROW(S)	1

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON–SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

SANTA FE Winwater COMPANY

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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Bio Clean
A Forterra Company

WetlandMOD- 6-24.0-5.0 -V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

HDNS1227.6

1DWLRQDO)ORRG+D]DUG'DWD)ORRGSODLQ

FEMA

)HHW

%DVHPDS 86 1DWLRQDO 2FHDQLF $WPRVSKHULF $GPLQLVWUDWLRQ 2WKHU

/HJHQG

6)+$ $UHDV RI(1(5)5(6(5

L:LWKRXW %DVH)ORRG(OHYDWLRQ %)(
=RQH$ 9 $
L:LWK%DVH)ORRG (=RQH$ 9$ 9($
5LVNPDWRU\)ORRGZD

$QQXDO &KDQFH)ORRG+D]DUG $UHDV
R DQQXDO FKDQFHIORRGZDWHUV
G+D]DUGHVWKDQRQHIRRW RU ZLWKGUDLQDJH
DUHDVR OHVV WKDQRQHVTXDUHPLOH=RQH;

)WXUH&RQGLWLRQV $QQXDO
&KDQFH)ORRG+D]DUG =RQH;

$UHDZLWK5HGXFHG)ORRG5LVNGXHWR
/HYHH 6HH1RWHV =RQH;

$UHDZLWK)ORRG5LVNGXHWR/HYHH =RQH'

$UHDRI1RWLBO)ORRG+D]DUG =RQH;
(IIHFWLYH%V
$UHDR 8QGHWHUPLQHG)ORRG+D]DUG =RQH'

&KDQQHO &OYHUW RU 6WUXFWXUH
/HYHH'LNH RU)ORRGZDOO

&URVV6HFWLRQVZLWK$QQXDO &KDQFH
DWHU 6XUIDFH(OHYDWLRQ
&RDVWDO 7UDQVHFW
%DVH)ORRG(OHYDWLRQ/LQH %)(
/LPLW R 6WUXFWXUH
-XULVGLFWLRQ%RXQGDU\
&RDVWDO 7UDQVHFW %DVHOLQH
3URFHVV%DVHOLQH
+LJKZDWHU)ODWXUH

L'LWDO DWD$YDLODEOH
R'LWDO DWD$YDLODEOH
8QPDSSHG

7KHSLQGLVSODHGRQWKHSLVDQDSSURSULDWH
SRQW VHOHFWHGEWKHXVHU DQGGRHVQRW UHSUHV
DQDWKRULWDWLYHSURSHUW\ORFDWLRQ

7KLVSFRROLHVZLWK$VVWDQGDUGIRU WKHXHR
GL.LWDO IORRGPS/LI LW LVQRW YRLGV/GHVFULEHGEHORZ
7KHEDVHPDSVKRZQFRROLHVZLWK$VEDVHPDS
DFFXUDWHVDQGGUG/

7KHIORRGKD]DUGLQIRUPDWLQLV GHULYHGLUHFWO\IURPWKH
DWKRULWDWLYH%HEVHUYLFHV SURYLGHGEY$ 7KLVPS
ZVHSRUWHGRQ TDW 30 DQGGRHVQRW
UHOHFW FKDQHV RU DPGPQWV VXEVHXHQW WR WKLVGDWH DQG
WLFI 7KH%DQGHIHFWLYHLQRUPDWLRQPDFKDQHRU
EHFRPVXSUVHGHGEQHZGDWDRYHU WLFI

7KLVPSLDHLV YRLGLI WKHIRQHRU RUHR WKHIOORZLQJPS
HOHPQWV GRQW DSSHDU %DVHPSLDHU\ IORRGRQHOODEHOV
OHHQG VFDOHEDU PSFUHDWLRQGDWH FRRLW\LGHQWLILHUV
)5$DQHO QHEU DQG)5IIHFWLYHGDWH DSLDHV IRU
XQPSSHGDQGXQRGHUQL}HGUHDV FDQQRW EHXVHGIRU
UHJXODWRU\SURSRVH

Appendix E

Preliminary Low Impact Development (LID) Plan

Preliminary Low Impact Development (LID) Plan

Prepared for:
G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
Contact: Mitchell Gardner
(925) 876-9985

Property:
VTTM no. 83834
APN: 7035-016-064
11709 Artesia Boulevard
Artesia, CA 90701

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Contact: Ryan Bittner, P.E.

June 2022

Receipt of WDID

REPLACE THIS SHEET

To be provided prior to final approval

Notice of Intent

REPLACE THIS SHEET

To be provided prior to final approval

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Project Owner's Certification of the Preliminary Low Impact Development (LID) Plan

Project Name: ***11709 Artesia Boulevard, Artesia***

Project Number: **Vesting Tentative Tract Map No. 83834**
APN 7035-016-064

Project Address: **11709 Artesia Boulevard**
Artesia CA 90701

This Preliminary Low Impact Development (LID) Plan for the ***VTTM 83834*** project has been prepared for G3 Urban by C&V Consulting, Inc. It is intended to comply with the requirements of the City of Artesia's Conditions of Approval.

The undersigned is authorized to approve implementation of provisions of this plan as appropriate and will strive to have the plan carried out by successors consistent with the County of Los Angeles LID Manual and the intent of the NPDES storm water requirements.

"I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner's Name:	Mitchell Gardner		
Owner's Title:	Architect – President of Development		
Company:	G3 Urban		
Address:	15235 S. Western Avenue, Gardena, CA 90249		
Email:			
Telephone No.:	(925) 876-9985		
Signature:		Date:	

Engineer Certification

Engineer's Name:	Ryan Bittner		
Engineer's Title:	CEO		
Company:	C&V Consulting, Inc.		
Address:	9830 Irvine Center Drive, Irvine, CA 92618		
Email:	rbittner□ cvc-inc.net		
Telephone No.	(949) 916-3800		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2012-0175, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature		Date	6/10/2022
Place Stamp Here			

Section 200

A. Contact Information/List of Responsible Parties

The property contact information is:

Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
(925) 876-9985

The property owner shall have primary responsibility and significant authority for the implementation, maintenance, and inspection of the property BMPs. Duties of the Owner include but are not limited to:

- Implementing all elements of the LID, including but not limited to:
  - Implementation of prompt and effective erosion and sediment control measures
  - Implementing all non-storm water management, and materials and waste management activities, such as: monitoring, discharges, general site clean-up□vehicle and equipment cleaning, spill control□good construction housekeeping to ensure that no materials other than storm water are discharged which may have an adverse effect on receiving waters or storm drain systems, etc.
- Pre-storm inspections
- Storm event inspections
- Post-storm inspections
- Routine inspections as described in the LID
- Ensuring elimination of all unauthorized discharges
- The Owner shall be assigned authority to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate all of the necessary corrections/repairs are made immediately, and that the project complies with the LID at all times.
- Managing and report any Illicit Connections or Illegal Discharges.

Section 300

A. References

The following documents are made a part of this LID by reference:

- Project plans and specifications for the City of Artesia to support the ***VTTM 83834*** project, prepared by C&V Consulting, Inc., 9830 Irvine Center Drive, Irvine, California 92618.

- County of Los Angeles Department of Public Works, Low Impact Development Standards Manual dated February 2014

- State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002 dated July 1, 2010

- California Stormwater BMP Handbook – Construction, January 2009.

- California Stormwater BMP Handbook – New Development and Redevelopment, January 2003.

- Los Angeles County Municipal Stormwater/ NPDES Permit Order R4-2012-0175

Section 400 – Body of LID

A. Objectives

This Low Impact Development (LID) Plan has four main objectives:

1) Identify all pollutant sources, including sources of sediment that may affect the quality of storm water discharges associated with daily use / activity (storm water discharges) from the property site.
2) Identify non-storm water discharges.
3) Identify, construct, implement and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the property site.
4) Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants.

B. Project Background and Description

The proposed project site consists of several existing lots that forms a rectangular shape area with a gross area of 4.99 acre and the proposed improvement of the project comprises of an area of 3.30 acre. It is located at 11709 Artesia Boulevard, in the City of Artesia (APN:7035-016-064). The site is bounded by Flallon Avenue to the west, Alburtis Avenue to the east, Artesia Boulevard to the south, and an industrial building to the north.

The existing conditions of the project site consists of a vacant lot. The entire site is completely paved with no landscaping on site per geospatial images which is assumed to be 100% impervious as the site have a negligible pervious area coverage.

The project proposes the construction of 16 residential buildings with 80 attached condominiums with private garages, private drive aisles, sidewalks, and common landscaped areas. The project site will be accessible with entrances/ exits along Flallon Avenue and Alburtis Avenue. The public streets, which will not be a part of this hydrological analysis are to be remain in-kind to preserve the perviousness of land usage and drainage pattern per existing conditions. Drive aisles and parking areas will be composed of asphalt concrete pavement. Proposed imperviousness is delineated and analyzed per preliminary LID exhibit to be 90% impervious. Actual imperviousness is to be verified with Final Landscape Plan during final engineering.

C. Vicinity Map

The site comprises several existing lots that forms a rectangular shape area and it is located near the northeast corner of Artesia Boulevard and Flallon Avenue, County of Los Angeles (APN: 7035-016-064). There is an existing improvement to remain across the Alburtis Avenue that is not a part of the proposed development area analysis.

Refer to Figure 1 for the Vicinity Map.

D. Existing Site Drainage Condition

The existing site is generally sloped in the southerly direction with elevations ranging between approximately 60.0 and 57.3 feet above mean sea level. Drainage from the existing site is conveyed as sheet flow overland mainly in the westerly direction towards Flallon Avenue and partially in the easterly direction towards Alburtis Avenue. The Overall drainage of the project site generally surface flows southwesterly to confluence with the street flows to the existing catch basins at the public right of way adjacent to site near the corner of Artesia Boulevard and Flallon Avenue. There is an existing drainage inlet near the center of the site that collects a portion of the center of the site. As the portion of the site that collects flow are generally flat and the low point ponds to slope towards the Fallon Avenue, the site is analyzed as a single drainage area that is tributary to the downstream system. All flow ultimately discharges to the San Gabriel River which drains to the Pacific Ocean at San Pedro Bay. Water bodies downstream of the project site are listed on the most current 303(d) list as follows:

- San Gabriel River Rach 1 (Estuary to Firestone)
  - Coliform Bacteria
- San Gabriel River Estuary
  - Copper
  - Dioxin
  - Nickel
  - Oxygen, Dissolved
- San Pedro Bay
  - Chlordane
  - DDT (tissue & sediment)
  - PCBs (Polychlorinated biphenyls)
  - Sediment Toxicity

All facilities downstream of the project site are engineered, therefore the project is exempt from Hydromodification Control requirements.

E. Proposed Site Drainage Conditions

The proposed development site drainage comprises of a single on-site drainage management area for water quality as stormwater are collected with the proposed inlets located at each entrance to the site and routed to a single treatment system prior to be released offsite. The proposed catch basin inlets and grated inlets collect the proposed

site's generated runoff to be routed to an underground detention system that feeds into a bio-filtration system via pump station for water quality treatment. The treated flow will be pumped to a parkway culvert and be routed to the downstream system following existing drainage pattern. When the underground detention is at full capacity, the confluence of the flows will be mitigated to the proposed overflow parkway culvert through the interconnected storm drain system. The public streets, which will not be a part of this hydrological analysis are to be remain in-kind to preserve the historical drainage pattern.

In cases of higher storm event, the site is graded to outlet overflow at the entrances of the site towards Flallon Avenue and Alburtis Avenue after the detention fills up and storm runoff bubbles out from the inlets of the site. The runoff will then continue along the street flow downstream following existing conditions.

Per Geotechnical Investigation, prepared by Albus & Associates, Inc. dated December 7, 2021, based on state-provided information, the historic-high groundwater is approximately 10 feet below the ground surface. From the geotechnical perspective, the findings indicate the site is not feasible for infiltration, therefore, bio-filtration BMPs are considered for the proposed site.

Refer to Figure 2, BMP Exhibit for additional information.

F. LID Project Types, Characteristics, & Activities

Per the Los Angeles Department of Public Works (LACDPW), *Low Impact Development Standards Manual*, dated February 2014, the proposed project is classified as a "Designated Project." A "Designated Project" is defined by the LACDPW as follows:

> "Redevelopment projects, which are developments that result in creation or addition or replacement of either: (1) 5,000 square feet or more of impervious surface on a site that was previously developed as described in the above bullets□or (2) 10,000 square feet or more of impervious surface area on a site that was previous developed as a single family home."

G. Pollutant Source Identification and BMP Selection

The following is a list of materials to be used in the daily construction activities at the project site, which will potentially contribute to pollutants, other than sediment, to storm water runoff. Control Practices for each activity are identified below:

- Vehicle fluids, including oil, grease, petroleum, and coolants from personal vehicles.
- Landscaping materials and wastes (topsoil, plant materials, herbicides, fertilizers, mulch, pesticides)
- General trash debris and litter
- Pet waste (bacteria/ fecal coliforms)

The Best Management Practices (BMPs) that have been selected for implementation on this project are detailed in the following sections.

H. Source Control BMPs

Project proponents shall implement Site Design concepts that achieve each of the following:

- Minimize □rban Runoff
- Minimize Impervious Footprint
- Conserve Natural Areas
- Minimize Directly Connected Impervious Areas (DCIAs)

Table-1 identifies the source control and treatment BMPs and how each is implemented to achieve each Site Design concept. BMP fact sheets are provided by the LACDPW *Low Impact Development Standards Manual* and the California Stormwater Quality Association.

Table-1: Source Control BMPs

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Non-Structural Source Control BMPs:			
	Education for Leasers', Operators, Occupants, or Employees	X		
	Activity Restrictions (CC&Rs)	X		
SD-12	Landscape Irrigation Practices	X		
SD-32	Common Area Litter Control	X		
SE-7	Street Sweeping Private Streets and Parking Lots	X		
	Drainage Facility Inspection and Maintenance	X		
	Structural Source Control BMPs:			
SD-13	Storm Drain Message and Signage	X		
SD-10	Landscape Irrigation Practices	X		
SD-11	Roof Runoff Controls	X		

BMP	BMP DESCRIPTION	CHECK ONE		IF NOT APPLICABLE, STATE BRIEF REASON
		INCLUDED?	NOT APPLICABLE	
	Protect Slopes and Channels		X	No proposed slopes and channels
SD-30	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed car wash racks
	Proper Site Design:			
SD-30	Fuel and Maintenance Area		X	No proposed fueling areas
SD-33	Air/Water Supply Area Drainage		X	No proposed air/water supply
SD-32	Outdoor Trash Storage and Waste Handling Area		X	No proposed outdoor trash storage
SD-31	Outdoor Loading/ □nloading Dock Area		X	No proposed loading/unloading dock areas
SD-35	Outdoor Vehicle/Equipment Repair/Maintenance Area		X	No proposed maintenance bays
SD-36	Outdoor Vehicle/Equipment/ Accessory Washing Area		X	No proposed wash areas
S-2	Outdoor Material Storage Area		X	No proposed material storage areas
SD-36	Outdoor Work Areas or Processing Areas		X	No proposed outdoor work areas
	Provide Wash Water Controls for Food Preparation Areas		X	No proposed food preparation areas

Non-Structural Measures

Non-structural BMPs are generally managerial, educational, inspection and/ or maintenance oriented. These items consist of educating employees and occupants, developing and implementing HOA guidelines, implementing BMPs and enforcing Code requirements. Non-structural BMPs used for this project are summarized below:

Education for Employees and Occupants

Practical informational materials will be provided to homeowners, HOA and employees on general good housekeeping practices that contribute to protection of storm water quality. Among other things, these materials will describe the use of chemicals (including household type) that should be limited to the property, with no discharge of specified wastes via hosing or other direct discharge to gutters, catch basins and storm drains. Initially, the Owner will provide these materials. Thereafter, such materials will be available through the HOA education program.

This program must be maintained, enforced, and updated periodically by the HOA. Educational materials including, but not limited to, the materials included in the Appendix F of this plan will be made available to the employees and contractors of the HOA.

Activity Restrictions

Activities on this site will be limited to activities related to residential living. The project's Conditions, Covenants, and Restrictions (CC&Rs) will outline the activities that are restricted on the property. Such activities related to the LID include car washing, car maintenance and disposal of used motor fluids, pet waste cleanup, and trash container areas.

Efficient Landscape System & Landscape Maintenance

Management programs will be designed and established by the HOA, who will maintain the common areas within the project site. These programs will include how to mitigate the potential dangers of fertilizer and pesticide usage (refer to the Maintenance and Frequency Table). Ongoing maintenance will be consistent with the State of California Model- Water Efficient Landscape Ordinance. Fertilizer and pesticide usage shall be consistent with County Management Guidelines for use of Fertilizers and Pesticides.

Street Sweeping in Private Streets and Parking Lots

The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

Drainage Facility Inspection & Maintenance

The HOA will be responsible for implementing each of the BMPs detailed in this plan. The HOA will also be responsible for cleaning and maintaining the BMPs on a regular basis. Refer to Appendix G for the Operation and Maintenance Plan. Refer to Appendix C for site specific drainage BMP information.

Storm Drain Stenciling/ Signage
Phrase "No Dumping – Drains to Ocean" or equally effective phrase to be stenciled on catch basins to alert the public to the destination of pollutants discharged into storm water. This stenciling will be inspected and re-stenciled on a periodic basis by the HOA. Refer to Table 4 for maintenance frequency.

Landscape & Irrigation System Design
As part of the design of all common area landscape irrigation shall employ water conservation principals, including, but not limited to, such provisions as water sensors, programmable irrigation times (for short cycles), etc. will be used. Such common areas will be maintained by the HOA.

Common Area Litter Control
The HOA must implement trash management and litter control procedures in common areas aimed at reducing pollution of drainage water. The HOA may contract a landscape maintenance company to provide this service during regularly scheduled maintenance which will consist of litter patrol and noting trash disposal violations and reporting the violations to the HOA for investigation.

Title 22 CC&R Compliance
The HOA will comply with this Regulation as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Uniform Fire Code Implementation
The HOA will comply with this Code as part of the development's CC&Rs. CC&Rs will be prepared as a separate document and reviewed by the City's Attorney.

Employee Training
A training program will be established as it would apply to future employees, contractors, and homeowners of the HOA to inform and train in maintenance activities regarding the impact of dumping oil, paints, solvents, or other potentially harmful chemicals into storm drains the proper use of fertilizers and pesticides in landscaping maintenance practices and the impacts of littering and improper water disposal.

The HOA (or a hired firm) will conduct the training program which will include targeted training sessions with specific construction disciplines (landscaping, concrete finishers, painters, etc.). See Appendix F for examples of educational materials that will be provided to the Employees.

The project's CC&Rs will include provisions for future employee training programs conducted on a yearly based prior to the rainy season.

I. Structural BMPs

Structural BMPs shall be installed by the developer, through the construction and development of the project, for instance landscaping and irrigation systems shall be designed by licensed landscape architects and installed by qualified contractors to specifications and standards of the City of Artesia. The structural BMPs used for this project are summarized below:

Expected pollutants associated with this development include vehicle discharge fluids, landscaping materials and waste, litter, and pet waste. To mitigate these pollutants, the structural best management practices summarized below.

Table-2: Design BMPs

BMP	TECHNIQUE	INCLUDED? YES	INCLUDED? NO	BRIEF DESCRIPTION OF METHOD
SD-10	Minimize Impervious Area/Maximize Permeability (C-Factor Reduction)	X		We have incorporated landscape areas wherever possible within the project site. See Appendix B for details.
	Minimize Directly Connected Impervious Areas (DCIAs) (C-Factor Reduction)	X		We minimize DCIAs by limiting sidewalks and parking areas to the minimum necessary for proper use and proposed planter areas where path of walk will not be obstructed.
	Create Reduced or "Zero Discharge" Areas (Runoff Volume Reduction)		X	The site runoff will be bio-filtrated prior to discharge from the site.

Table-3: Treatment BMPs

BMP	NAME	INCLUDED? YES	INCLUDED? NO	IF NOT APPLICABLE, STATE BRIEF REASON
VEG-5	Vegetated Filter Strip		X	Alternative BMP selected
VEG-4	Vegetated Swale		X	Space not available for BMP
MP-40	Media Filter		X	Alternative BMP selected
MP-52	Drain Inserts		X	Alternative BMP selected
T-3	Extended Detention Basin		X	Alternative BMP selected
T-4	Wet Pond		X	Alternative BMP selected
T-2	Constructed Wetland		X	Alternative BMP selected
T-1	Sand Filter		X	Alternative BMP selected
RET-5	Permeable Pavement without an □nderdrain		X	Alternative BMP selected
RET-2	Infiltration Basin		X	Alternative BMP selected
RET-3	Infiltration Trench		X	Alternative BMP selected
TC-40	Media Filter		X	Alternative BMP selected
BIO-1	Biofiltration	X		Proposed WetlandMOD will be utilized in the proposed development and provide treatment of 1.5 times the SWQDV.

Biofiltration: WetlandMOD Biofiltration Treatment System

The unique treatment capabilities of the 'WetlandMod' System - 'BioClean' System) incorporates capture, screening, hydrodynamic separation, advanced media filtration, biofiltration to reduce and control water volume in a more efficient way compared to traditional downward flow bioretention system.

The 'BioClean' System removes a range of pollutants associated with urban run-off. Suspended Solids, Heavy metals, Pathogens, Phosphorus, oil and grease pollutants are removed from storm water runoff at a high level of efficiency. The public Agency has found that this system is an acceptable solution to biological treatment of first flush storm water during the project Entitlement Phase of the project when infiltration is not an option for a site due to Geotechnical issues with underlying soils. The 'BioClean' System treats runoff by first intercepting flow through a pre-treatment chamber and pipe inlet from the area drain storm drains and storage pipe where it's screened through a filter where trash, litter, gross solids and sediment are captured. The second stage of treatment provides treatment through biofiltration media. The perimeter filter utilizing bio-media provides physical treatment by physically and chemically capturing fine total suspended solids, metals, nutrients, and bacteria. The final stage of treatment provides treatment in the wetland chamber through sub-surface flow by biological remediation through a combination of physical, chemical, and biological processes.

The 'BioClean' System is a horizontal flow-based BMP for this project and is designed based on the Manufacturer's design calculations for the device at the Treatment Design Volume provided in Appendix 'A'. Since the site is not providing infiltration, the design volume is 1.5 times the LID volume. Storage chambers are provided upstream of the biofiltration system to ensure this volume is captured and fed to the biofiltration system. See Appendix 'A' for design treatment volume calculations.

The WetlandMod Detail provided by the Manufacturer within Appendix C verifies that the proposed WetlandMod Biofiltration System will treat the required volume within target drawdown duration of 96 hours. The calculation is copies below for reference:

Drainage Management Area (DMA)	Size (ac)	SWQDV (cf)*	SWQDV x 1.5 (cf)	MWS Model	MWS HGL Height (ft)	Treatment Capacity (cf)
A	3.30	8,475.2	12,712.8	WM-L-6-24-5-V	5	12,712.8

Los Angeles County Department of Public Works (LACDPW) HydroCalc Software was utilized to calculate stormwater quality design volume (SWQDV). The governing flowrate between the 0.75-inch storm event and the 85th Percentile storm event was utilized for design. Refer to Appendix A for HydroCalc outputs.

The proposed site will generate a runoff volume of approximately 8,475.2 cf for the 85th Percentile storm event. After multiplying this value by a factor of 1.5, the required treatment volume equals 12,712.8 cf. The WetlandMOD Biofiltration Systems provide a total treatment capacity of approximately 12,712.8 cf and therefore provide more than enough treatment for the proposed development. The WetlandMOD systems will address the pollutants of concern associated with the development type. Refer to Appendix C for more information on WetlandMOD Biofiltration System. Treatment

Volumes are to be verified with proposed perviousness per final site plan during Final Engineering.

Pipe Detention Systems
The WetlandMOD Bio-filtration system requires the design volume to be stored upstream to ensure the entire treatment volume is captured and fed to the biofiltration system. Detention and/or Retention Systems shall be installed in accordance with the latest edition of ASTM D2321. Refer to Appendix C for more information on Detention Storage System.

Proposed Condition Drainage Area	Area (ac)	Water Quality Treatment Volume (cu-ft)	Proposed Detention Volume (cu-ft)
DMA-A	3.30	12,712.8	12,817

Catch Basin Inspection
The HOA will maintain the drainage systems, including catch basins and culverts. The HOA is required to have catch basins inspected and, if necessary, cleaned prior to the storm season, no later than October 15th each year or prior to the first 24-hour storm event, whichever occurs first. These duties may be contracted out to the landscape maintenance firm hired by the HOA. Please see Appendix E for maintenance program. Refer to Appendix G for the Operation and Maintenance Plan.

Runoff-Minimizing Landscape Design
As part of the design of all common area landscape areas, similar planting material with similar water requirements will be used in order to reduce excess irrigation runoff and promote surface filtration. Such common areas will be maintained by the HOA.

Community Car Wash Racks
No community car wash rack or area will be provided, therefore, vehicle washing by residents on the property will not be allowed per the CC&Rs.

Self-Contained Washing
Self-contained washing of vehicles by residents or owners on the property will not be allowed per the CC&Rs.

Outdoor Material Storage Areas
Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Outdoor Storage by residents or owners on the property will not be allowed per the CC&Rs.

J. BMP Maintenance, Inspection, and Repair

Inspections will be conducted as follows:

- Annually and prior to the start of the rainy season
- Every (1) month during rainy season
- At any other time(s) or intervals of time specified in the contract documents

Repairs and/ or maintenance procedures shall be carried out at the soonest possible time.

K. Inspection, Maintenance, and Responsibility for BMPs

Table-4 and Table-5 show the lists of the post-construction BMPs (routine non-structural and structural), the required ongoing maintenance, the inspection and maintenance frequency, the inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection.

Table-4: Non-Structural BMP Maintenance Responsibility/Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Homeowner/ Business owner Education, Activity Restrictions	HOA will provide educational materials. Those materials and responsibilities must be passed onto subsequent property owners.	Continuous. CC&Rs to be provided to homeowners at the time they purchase the property and updates provided by the HOA as they occur.
Common Area Landscape Management	HOA will appoint a landscape maintenance contractor	Monthly during regular maintenance and use with management guidelines for use of fertilizers and pesticides.
Parking Areas and Drive Aisle Management	HOA	The Drives Aisles are to be swept on a routine scheduled basis to facilitate the pickup of trash and debris (plant or otherwise) and to remove excessive oil, grease and build-up. During sweeping, debris is to be removed from the parking areas and drives and then scrubbed and rinsed. This sweeping schedule will be at a minimum occurrence of once a week and as necessary to rid / reduce active pollutants from the pavement areas. This maintenance requirement will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the final Title report of these properties.
Litter Control by Sweeping	HOA	Weekly inspection of trash receptacles to ensure that lids are closed and pick up any excess trash on the ground, noting trash disposal violations to the HOA for remediation.
Employee Training	HOA	Monthly for maintenance personnel and employees to include the educational materials contained in the approved LID.

BMP	RESPONSIBILITY	FREQUENCY
Common Area Catch Basin Inspection & Cleaning	HOA will appoint a landscape maintenance contractor for common areas and storm drain facilities.	Inspect basins once a month. Clean debris and silt in bottom of catch basins as needed. Intensified on or about October 15th each year or prior to the first 24-hour storm event, whichever occurs first. Refer to Appendix E.

Table-5: Structural BMP Maintenance Responsibility/ Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Common Area Efficient Irrigation	HOA will appoint a landscape contractor after construction	Once a week, in conjunction with maintenance activities. Verify that runoff minimizing landscape design continues to function by checking that water sensors are functioning properly, that irrigation heads are adjusted properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year, weather and day or night time temperatures.
Common Area Runoff Efficient Landscape Design	HOA will appoint a landscaping contractor	Once a week in conjunction with maintenance activities and prior to finalizing any replanting schemes. Verify that plants continue to be grouped according to similar water requirements in order to reduce excess irrigation runoff.
WetlandMOD Biofiltration Vaults	HOA	WetlandMOD Biofiltration Vaults maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C
Pipe Detention System	HOA	Pipe Detention System maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C

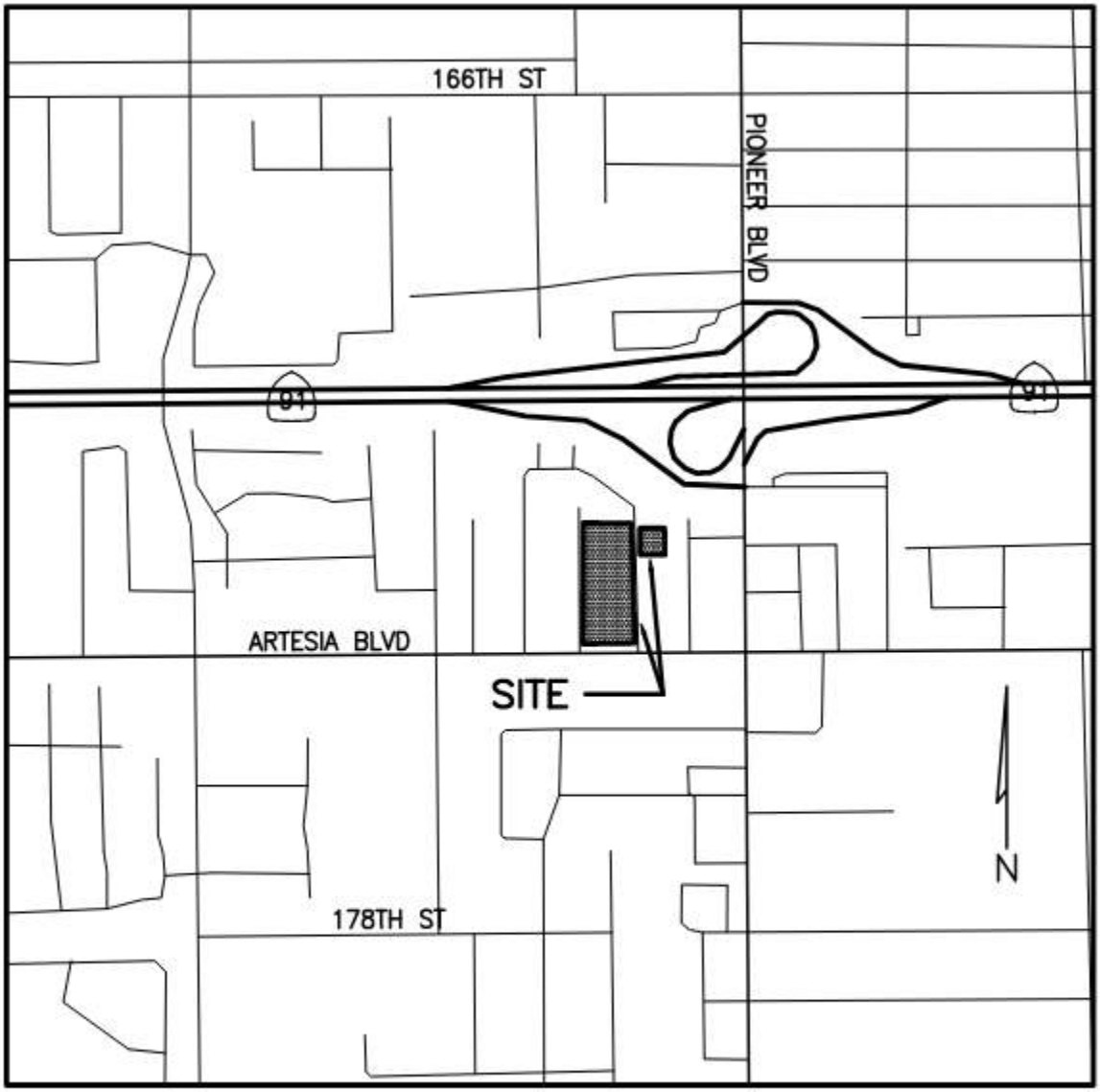
L. Operation/Maintenance Funding after Project Completion

The post-construction BMPs as described above will be funded and maintained by:

Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
(925) 876-9985

Maintenance and requirements of the maintenance for the properties will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project and will be the responsibility of the property owner at all times. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the Title report of these properties.

Figure 1:
Project Vicinity Map



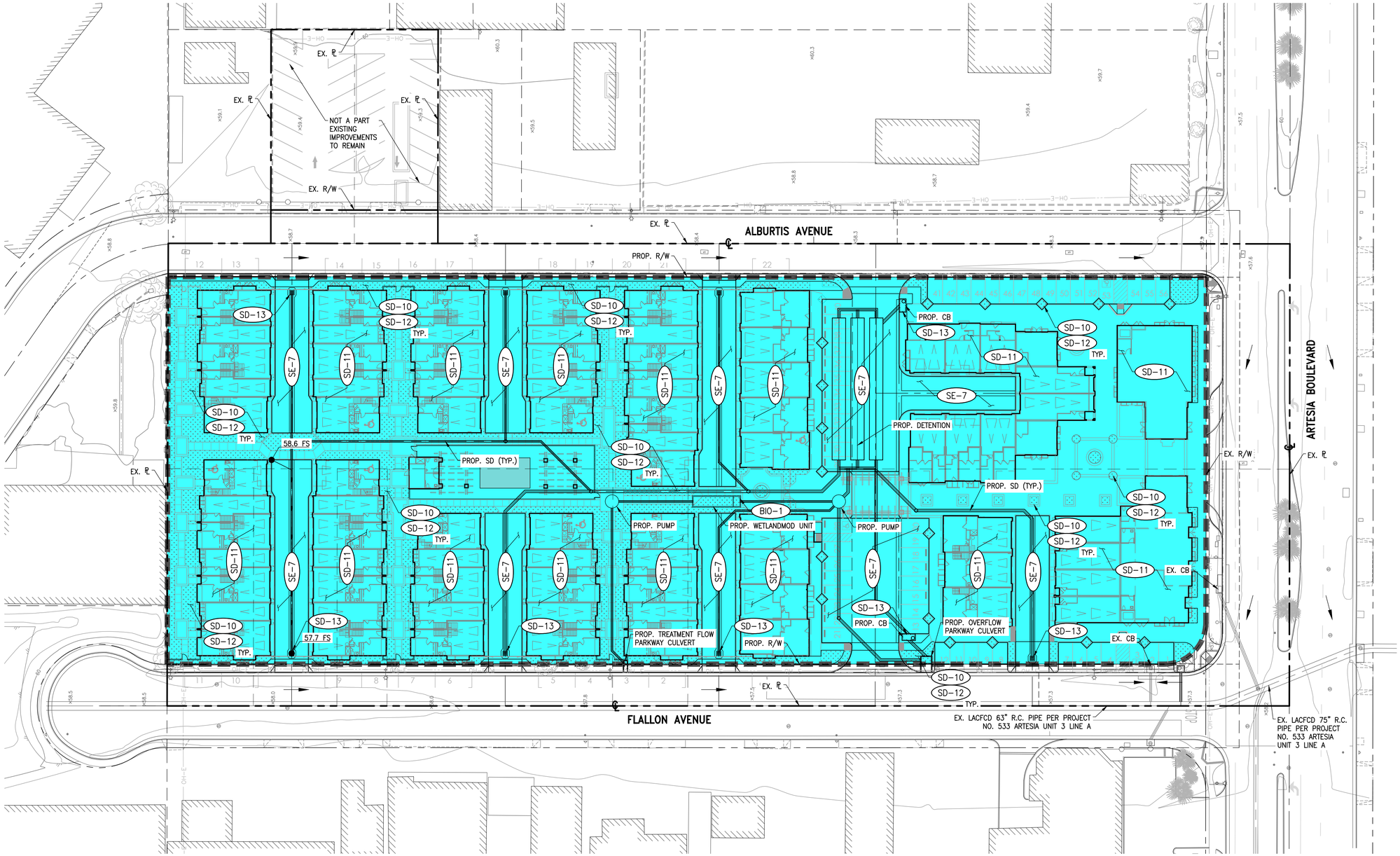
VICINITY MAP
N.T.S.

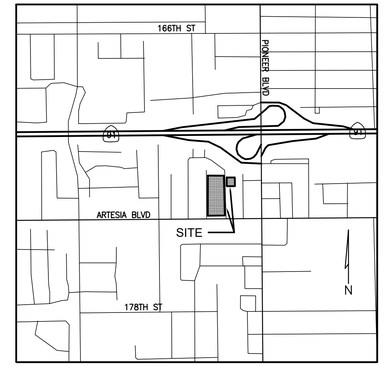
11709 ARTESIA BOULEVARD

ARTESIA, CALIFORNIA

Figure 2:
BMP Exhibit

PRELIMINARY LID EXHIBIT





VICINITY MAP

N.T.S.

LEGEND:

- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- SITE BOUNDARY
- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- FLOW DIRECTION
- FLOW LINE
- PERVIOUS AREA

BEST MANAGEMENT PRACTICES:

- SE-7 — PRIVATE STREET SWEEPING
- SD-10 — SITE DESIGN & LANDSCAPE PLANNING
- SD-11 — ROOF RUNOFF CONTROLS
- SD-12 — EFFICIENT IRRIGATION
- SD-13 — STORM DRAIN SIGNAGE
- BIO-1 — MODULAR WETLAND SYSTEM

DMA	COLOR	LANDUSE	AREA (AC)	IMPERVIOUS %	1.5x SWQDV (CF)	TREATMENT CAPACITY
A		RESIDENTIAL	3.30	90%	12,712.8	12,712.8

NOTE: PROPOSED DEVELOPMENT IMPERVIOUS COVERS ARE DELINEATED PER LANDSCAPE PLAN PER THIS EXHIBIT.

SCALE: 1" = 30'

15 30 60

REVISIONS

NO.	DATE	DESCRIPTION	BY

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

VTTM NO. 83834
11709 ARTESIA BOULEVARD
CITY OF ARTESIA
COUNTY OF LOS ANGELES, CALIFORNIA
SHEET 1 OF 1 SHEETS

DWG: P:\JOBS\18-000\dwg\Sheets\LID\18-000-PRE.dwg BY: Adam Jun 10, 2022 - 3:02:23pm
PROJ: 18-000

Figure 3:
Impaired Waters

COUNTY OF LOS ANGELES

SAN GABRIEL RIVER WATERSHED

San Gabriel River Watershed

Proposed Project Site

LEGEND

- SAN GABRIEL RIVER WATERSHED
- UNINCORPORATED AREA
- DAM / LAKE / RESERVOIR
- MAJOR RIVER
- MAJOR CHANNEL

MILES
0 0.875 1.75 3.5

Data contained in this map is produced in whole or part from the Los Angeles County Department of Public Works' digital database.

REF: \\pwgis02\mpmgis\MPMGIS\projects\mpm\gismaps\wk_2627\SanGabrielRiver_wtrshed.mxd DATE: 08/21/07

Mapping & Property Management Division, Mapping & GIS Services Section

Appendix A:
Volume and Flowrate Calculations & Hydrologic Report

The proposed development was analyzed for the 0.75-in storm event and the 85th Percentile storm event using the LACDPW HydroCalc software. The governing stormwater runoff volume between the two storm events was utilized for design. In accordance with the LA County BMP Design Manual, a factor of 1.5 was applied to obtain the design volume. Below is a summary of the HydroCalc outputs:

DMA	85th Percentile Storm ✓		0.75-in Storm		Governing Volume (cfs)	SWQDV x 1.5 (cfs)
	Volume (cf)	Flowrate (cfs)	Volume (cf)	Flowrate (cfs)		
A	8,475.2	0.931	7,306.2	0.743	8,475.2	12,712.8

Refer to LACDPW HydroCalc Output Data within this Appendix for Volume and Flowrate Calculations.

Peak Flow Hydrologic Analysis

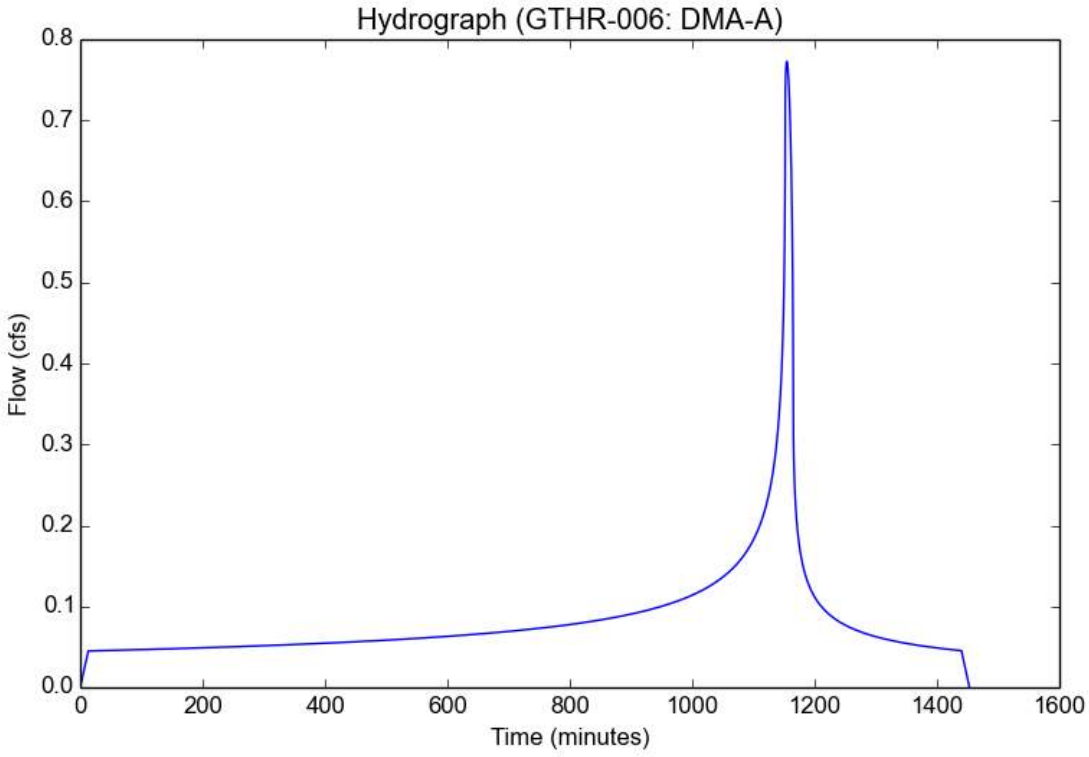
File location: P:/G/GTHR-006/Admin/Reports/LID/Appendix A - HydroCalc/GTHR-006 - DMA-A_0.75in.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A
Area (ac)	3.3
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
0.75-inch Rainfall Depth (in)	0.75
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	0.75 inch storm
Fire Factor	0
LID	True

Output Results

Modeled (0.75 inch storm) Rainfall Depth (in)	0.75
Peak Intensity (in/hr)	0.2856
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.82
Time of Concentration (min)	13.0
Clear Peak Flow Rate (cfs)	0.7728
Burned Peak Flow Rate (cfs)	0.7728
24-Hr Clear Runoff Volume (ac-ft)	0.1677
24-Hr Clear Runoff Volume (cu-ft)	7306.2156



Peak Flow Hydrologic Analysis

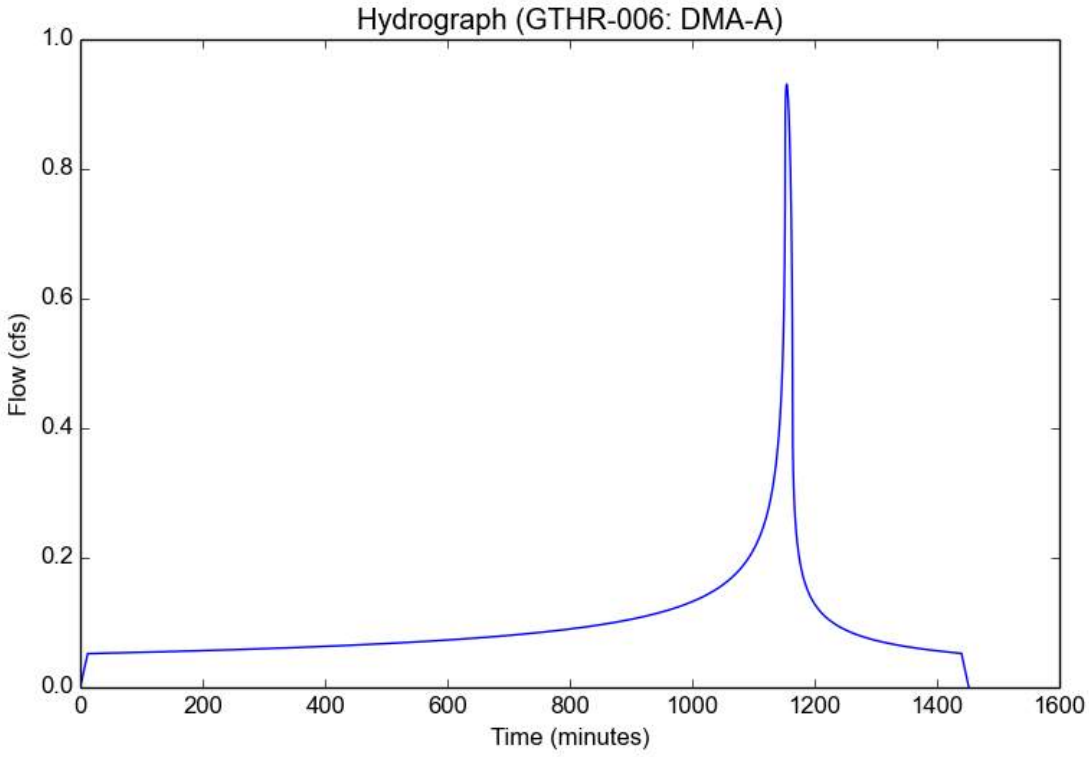
File location: P:/G/GTHR-006/Admin/Reports/LID/Appendix A - HydroCalc/GTHR-006 - DMA-A_85%.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	DMA-A
Area (ac)	3.3
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

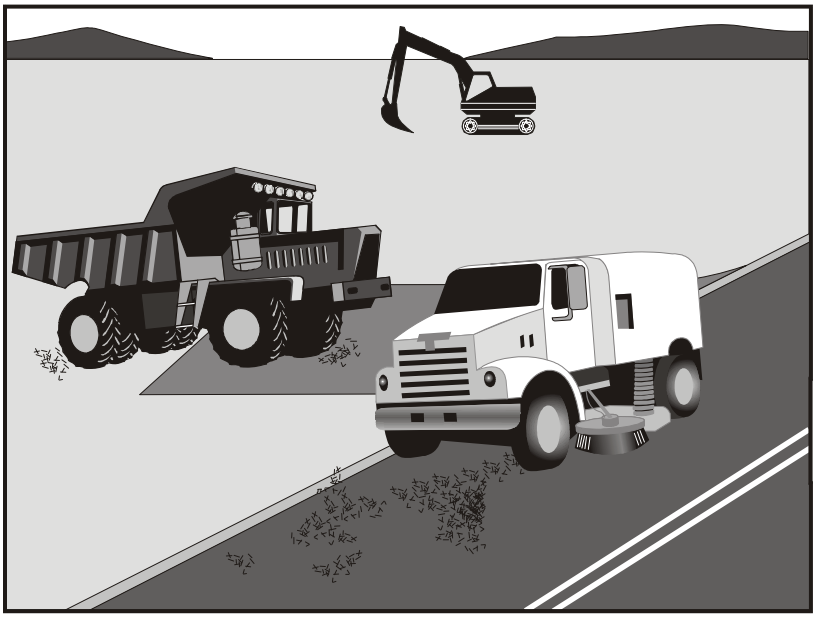
Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.344
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.82
Time of Concentration (min)	12.0
Clear Peak Flow Rate (cfs)	0.9308
Burned Peak Flow Rate (cfs)	0.9308
24-Hr Clear Runoff Volume (ac-ft)	0.1946
24-Hr Clear Runoff Volume (cu-ft)	8475.2074



Appendix B:
Site BMPs

Street Sweeping and Vacuuming SE-7



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.
- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

Site Design & Landscape Planning SD-10

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION

Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11

Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Efficient Irrigation SD-12

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Designing New Installations

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Storm Drain Signage SD-13

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include "NO DUMPING

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– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.

- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Trash Storage Areas SD-32

Description

Trash storage areas are areas where a trash receptacle (s) are located for use as a repository for solid wastes. Stormwater runoff from areas where trash is stored or disposed of can be polluted. In addition, loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or creeks. Waste handling operations that may be sources of stormwater pollution include dumpsters, litter control, and waste piles.

Approach

This fact sheet contains details on the specific measures required to prevent or reduce pollutants in stormwater runoff associated with trash storage and handling. Preventative measures including enclosures, containment structures, and impervious pavements to mitigate spills, should be used to reduce the likelihood of contamination.

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Design requirements for waste handling areas are governed by Building and Fire Codes, and by current local agency ordinances and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code and ordinance requirements. Hazardous waste should be handled in accordance with legal requirements established in Title 22, California Code of Regulation.

Wastes from commercial and industrial sites are typically hauled by either public or commercial carriers that may have design or access requirements for waste storage areas. The design criteria in this fact sheet are recommendations and are not intended to be in conflict with requirements established by the waste hauler. The waste hauler should be contacted prior to the design of your site trash collection areas. Conflicts or issues should be discussed with the local agency.

Designing New Installations

Trash storage areas should be designed to consider the following structural or treatment control BMPs:

- Design trash container areas so that drainage from adjoining roofs and pavement is diverted around the area(s) to avoid run-on. This might include berming or grading the waste handling area to prevent run-on of stormwater.
- Make sure trash container areas are screened or walled to prevent off-site transport of trash.

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- Use lined bins or dumpsters to reduce leaking of liquid waste.
- Provide roofs, awnings, or attached lids on all trash containers to minimize direct precipitation and prevent rainfall from entering containers.
- Pave trash storage areas with an impervious surface to mitigate spills.
- Do not locate storm drains in immediate vicinity of the trash storage area.
- Post signs on all dumpsters informing users that hazardous materials are not to be disposed of therein.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Additional Information

Maintenance Considerations

The integrity of structural elements that are subject to damage (i.e., screens, covers, and signs) must be maintained by the owner/operator. Maintenance agreements between the local agency and the owner/operator may be required. Some agencies will require maintenance deed restrictions to be recorded of the property title. If required by the local agency, maintenance agreements or deed restrictions must be executed by the owner/operator before improvement plans are approved.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

BIO-1: Biofiltration

Definition

A biofiltration area is a vegetated shallow depression that is designed to receive and treat stormwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow ponding zone is provided above the vegetated surface for temporary storage of stormwater runoff. During storm events, stormwater runoff accumulates in the ponding zone and gradually infiltrates the surface and filters through the biofiltration soil media before being collected by an underdrain system.

Stormwater runoff treatment occurs through a variety of natural mechanisms as stormwater runoff filters through the vegetation root zone. In biofiltration areas, microbes and organic material in the biofiltration soil media help promote the adsorption of pollutants (e.g., dissolved metals and petroleum hydrocarbons) into the soil matrix. Plants utilize soil moisture and promote the drying of the soil through transpiration. Biofiltration areas are typically planted with native, drought-tolerant plant species that do not require fertilization and can withstand wet soils for at least 96 hours.

A schematic of a typical biofiltration area is presented in Figure E-7.

LID Ordinance Requirements

Biofiltration can be used as an alternative compliance measure.

Pollutant of Concern	Treated by Biofiltration?
Suspended solids	No
Total phosphorus	No
Total nitrogen	Yes
Total Kjeldahl nitrogen	Yes
Cadmium, total	No
Chromium, total	Yes
Copper, total	No
Lead, total	Yes
Zinc, total	No

Source: Treatment Best Management Practices Performance, Los Angeles Regional Water Quality Control Board, December 9, 2013.

Advantages

- Has a low cost for installation
- Enhances site aesthetics
- Requires little maintenance

Disadvantages

- May require individual owner/tenants to perform maintenance

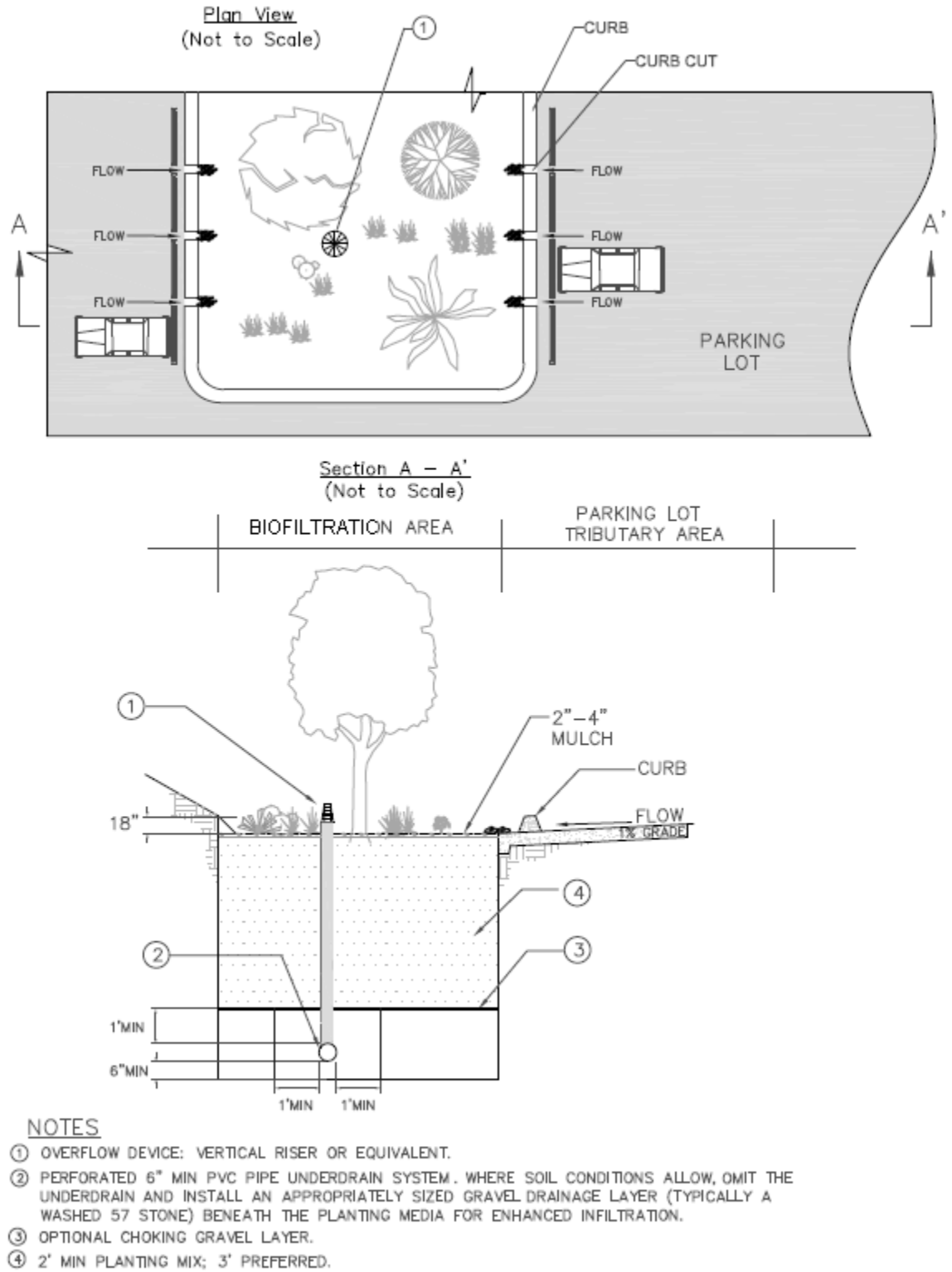

Figure E-7. Biofiltration Area Schematic

General Constraints and Implementation Considerations

- Biofiltration areas can be applied in various settings including, but not limited to:
  - Individual lots for rooftop, driveway, and other on-site impervious surface
  - Shared facilities located in common areas for individual lots
  - Areas within loop roads or cul-de-sacs
  - Landscaped parking lot islands
  - Within right-of-ways along roads
  - Common landscaped areas in apartment complexes or other multi-family housing designs
  - Parks and along open space perimeter
- If tire curbs are provided and parking stalls are shortened, cars are allowed to overhang the biofiltration area.
- Biofiltration areas must be located sufficiently far from structure foundations to avoid damage to structures (as determined by a certified structural or geotechnical engineer).
- Any parking areas bordering the biofiltration area must be monolithically poured concrete or deepended curb concrete to provide structural stability to the adjacent parking section.
- Geomembrane liners must be used in areas subject to spills or pollutant hot spots.
- During construction activities should avoid compaction of native soils below planting media layer or gravel zone.
- Stormwater runoff must be diverted around the biofiltration area during the period of vegetation establishment. If diversion is not feasible, the graded and seeded areas must be protected with suitable sediment controls (i.e., silt fences).All damaged areas should be repaired, seeded, or re-planted immediately.
- The general landscape irrigation system should incorporate the biofiltration area, as applicable.

Design Specifications

The following sections describe the design specifications for biofiltration areas.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for biofiltration. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the

groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of a biofiltration area. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning biofiltration system.

Biofiltration areas are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for a biofiltration area and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering a biofiltration area in order to maintain the infiltration rate of the biofiltration area. To ensure that biofiltration areas are effective, the project applicant must incorporate pretreatment devices that provide sediment removal (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices). The use of at least two pretreatment devices is highly recommended for biofiltration areas.

Geometry

- Biofiltration areas must be sized to capture and treat 1.5 times the SWQDv that is not reliably retained on the project site with an 18-inch maximum ponding depth.
- The planting soil depth must be a minimum of two feet, although three feet is preferred. The planting soil depth should provide a beneficial root zone for the chosen vegetation and adequate water storage for the stormwater runoff. A deeper planting soil depth will also provide a smaller surface area footprint.
- A gravel storage layer below the biofiltration area soil media is required to provide adequate temporary storage to retain 1.5 times the SWQDv that is not reliably retained on the project site and to promote infiltration.

Sizing

Biofiltration areas are sized using a simple sizing method where 1.5 times the SWQDv that is not reliably retained on the project site must be completely filtered within 96 hours. If the incoming stormwater runoff flow rate is lower than the long term filtration rate, above ground storage does not need to be provided. If the incoming stormwater runoff flow rate is higher than the long term filtration rate, above ground storage shall be provided (see steps below).

Step 1: Calculate the design volume

Biofiltration areas should be sized to capture and treat 1.5 times the portion of the SWQDv (see Section 6 for SWQDv calculation procedures) that is not reliability retained on the project site, as calculated by the equation below:

$$V_B = 1.5 \times (SWQDv - V_R)$$

Where:

V_B = Biofiltration volume [ft^3];
SWQDv = Stormwater quality design volume [ft^3]; and
V_R = Volume of stormwater runoff reliably retained on-site [ft^3].

Step 2: Calculate the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Select a surface ponding depth (d) that satisfies the geometric criteria and meets the site constraints. Selecting a deeper ponding depth (up to 1.5 ft) generally yields a smaller footprint, however, it will require greater consideration for public safety, energy dissipation, and plant selection.

Calculate the time for the selected ponding depth to filter through the planting media using the following equation:

$$\mathrm{d} = t_p \times \frac{\mathrm{f_{design}}}{12}$$

Where:

d = Ponding depth (max 1.5 ft) [ft];
t_p = Required detention time for surface ponding (max 96 hr) [hr]; and
f_{design} = Design infiltration rate [in/hr].

If t_p exceeds 96 hours, reduce surface ponding depth (d). In nearly all cases, t_p should not approach 96 hours unless f_{design} is low.

Calculate the required infiltrating surface (filter bottom area) using the following equation:

$$A = \frac{V_B}{d}$$

Where:

A = Bottom surface area of biofiltration area [ft^2];
V_B = Biofiltration design volume [ft^3]; and
d = Ponding depth (max 1.5 ft) [ft].

Flow Entrance and Energy Dissipation

Maintain a minimum slope of 1 percent for pervious surfaces and 0.5 percent for impervious surfaces to the biofiltration area inlet. The following types of flow entrance can be used for biofiltration cells:

- Level spreaders (i.e., slotted curbs) can be used to facilitate sheet flow.
- Dispersed, low velocity flow across a landscape area. Dispersed flow may not be possible given space limitations or if the biofiltration area is controlling roadway or parking lot flows where curbs are mandatory.
- Dispersed flow across pavement or gravel and past wheel stops for parking areas.
- Flow spreading trench around perimeter of biofiltration area. May be filled with pea gravel or vegetated with 3:1 side slopes similar to a swale. A vertical-walled open trench may also be used at the discretion of LACDPW.
- Curb cuts for roadside or parking lot areas, if approved by LACDPW: curb cuts should include rock or other erosion controls in the channel entrance to dissipate energy. Flow entrance should drop two to three inches from curb line and provide an area for settling and periodic removal of sediment and coarse material before flow dissipates to the remainder of the biofiltration area.
- Piped entrances, such as roof downspouts, should include rock, splash blocks, or other erosion controls at the entrance to dissipate energy and disperse flows.
- Woody plants (trees, shrubs, etc.) can restrict or concentrate flows and can be damaged by erosion around the root ball and must not be placed directly in the entrance flow path.

Drainage

Biofiltration areas must be designed to drain below the planting soil in less than 96 hours. Soils must be allowed to dry out periodically in order to restore hydraulic capacity to receive stormwater runoff from subsequent storm events, maintain infiltration rates, maintain adequate soil oxygen levels for healthy soil biota and vegetation, and provide proper soil conditions for biodegradation and retention of pollutants.

Underdrain

Biofiltration areas require an underdrain to collect and discharge stormwater runoff that has been filtered through the soil media, but not infiltrated, to another stormwater quality control measure, storm drain system, or receiving water. The underdrain must have a mainline diameter of eight inches using slotted PVC SDR 26 or PVC C9000. Slotted PVC allows for pressure water cleaning and root cutting, if necessary. The slotted pipe

should have two to four rows of slots cut perpendicular to the axis of the pipe or at right angles to the pitch of corrugations. Slots should be 0.04 to 0.1 inches wide with a length of 1 to 1.25 inches. Slots should be longitudinally-spaced such that the pipe has a minimum of one square inch opening per lineal foot and should face down.

The underdrain should be placed in a gravel envelope (Class 2 Permeable Material per Caltrans Spec. 68-1.025) that measures three feet wide and six inches deep. The underdrain is elevated from the bottom of the biofiltration area by six inches within the gravel envelope to create a fluctuating anaerobic/aerobic zone below the underdrain to facilitate denitrification within the anaerobic/anoxic zone and reduce nutrient concentrations. The top and sides of the underdrain pipe should be covered with gravel to a minimum depth of 12 inches. The underdrain and gravel envelope should be covered with a geomembrane liner to prevent clogging. The following aggregate should be used for the gravel envelope:

Particle Size (ASTM D422)	% Passing by Weight
¾ inch	100%
¼ inch	30-60%
#8	20-50%
#50	3-12%
#200	0-1%

Underdrains should be sloped at a minimum of 0.5 percent and must drain freely to an approved discharge point.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter should be connected to the underdrain to provide a clean-out port as well as an observation well to monitor drainage rates. The wells/clean-outs should be connected to the perforated underdrain with the appropriate manufactured connections. The wells/clean-outs should extend six inches above the top elevation of the biofiltration area mulch, and should be capped with a lockable screw cap. The ends of underdrain pipes not terminating in an observation well/clean-out should also be capped.

Hydraulic Restriction Layer

Lateral infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent waterproofing, may be placed along the vertical walls to reduce lateral flows. This geomembrane liner must have a minimum thickness of 30 mils and meet the requirements of Table E-12. Generally, waterproof barriers should not be placed on the bottom of the biofiltration unit, as this would prevent incidental infiltration which is important to meeting the required pollutant load reduction.

Table E-12. Geomembrane Liner Specifications for Biofiltration Areas

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Planting/Storage Media

- The planting media placed in the biofiltration area should achieve a long-term, in-place infiltration rate of at least 5 in/hr. Higher infiltration rates of up to 12 in/hr are permissible. The biofiltration soil media must retain sufficient moisture to support vigorous plant growth.
- The planting media mix must consist of 60 to 80 percent sand and 20 to 40 percent compost.
- Sand should be free of wood, waste, coatings such as clay, stone dust, carbonate, or any other deleterious material. All aggregate passing the No. 200 sieve size should be non-plastic. Sand for biofiltration should be analyzed by an accredited laboratory using #200, #100, #40, #30, #16, #8, #4, and 3/8 sieves (ASTM D422 or as approved by the local permitting authority) and meet the following gradations (Note: all sand complying with ASTM C33 for fine aggregate comply with the gradation requirements listed below):

Particle Size (ASTM D422)	% Passing by Weight
3/8 inch	100%
#4	90-100%
#8	70-100%
#16	40-95%
#30	15-70%
#40	5-55%
#110	0-15%
#200	0-5%

Note: The gradation of the sand component of the biofiltration soil media is believed to be a major factor in the infiltration rate of the media mix. If the desired hydraulic conductivity of the biofiltration soil media cannot be achieved within the specified proportions of sand and compost (#2), then it may be necessary to utilize sand at the coarser end of the range specified minimum percent passing.

- Compost should be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes, or other organic material not including manure or biosolids meeting standards developed by the USCC. The product shall be certified through the USCC STA Program (a compost testing and information disclosure program). Compost quality shall be verified via a laboratory analysis to be:
    - Feedstock materials must be specified and include one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
    - pH between 6.5 and 8.0 (may vary with plant palette)
    - Organic Matter: 35 to 75 percent dry weight basis
    - Carbon and Nitrogen Ratio: 15:1 < C:N < 25:1
    - Maturity/Stability: Compost must have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120°F) upon delivery or rewetting is not acceptable.
    - Toxicity: any one of the following measures is sufficient to indicate non-toxicity:
        - NH_4:NH_3 < 3
        - Ammonium < 500 ppm, dry weight basis
        - Seed germination > 80 percent of control
        - Plant trials > 80 percent of control
        - Solvita® > 5 index value
    - Nutrient content:
        - Total Nitrogen content ≥ 0.9 percent preferred
        - Total Boron should be < 80 ppm; soluble boron < 2.5 ppm
    - Salinity: < 6.0 mmhos/cm
    - Compost for biofiltration area should be analyzed by an accredited laboratory using #200, ¼-inch, ½-inch, and 1-inch sieves (ASTM D422) and meet the gradation requirements in the table below:

Particle Size (ASTM D422)	% Passing by Weight
1 inch	99-100
½ inch	90-100
¼ inch	40-90
#200	2-10

Tests should be sufficiently recent to represent the actual material that is anticipated to be delivered to the site. If processes or sources used by the supplier have changed significantly since the most recent testing, new tests should be requested.

The gradation of compost used in biofiltration soil media is believed to play an important role in the saturated infiltration rate of the media. To achieve a higher saturated infiltration rate, it may be necessary to utilize compost at the coarser end of the range (minimum percent passing). The percent passing the #200 sieve (fines) is believed to be the most important factor in hydraulic conductivity.

In addition, coarser compost mix provides more heterogeneity of the biofiltration soil media, which is believed to be advantageous for more rapid development of soil structure needed to support healthy biological processes. This may be an advantage for plant establishment with lower nutrient and water input.

- Biofiltration soil media not meeting the above criteria should be evaluated on a case-by-case basis. Alternative biofiltration soil media must meet the following specifications:

  "Soils for biofiltration facilities must be sufficiently permeable to infiltrate stormwater runoff at a minimum of rate of 5 in/hr during the life of the facility, and provide sufficient retention of moisture and nutrients to support healthy vegetation." The following steps shall be followed by LACDPW to verify that alternative biofiltration soil media mixes meet the specification:

  - Submittals – The applicant must submit to LACDPW for approval:
    - A sample of mixed biofiltration soil media.
    - Certification from the soil supplier or an accredited laboratory that the biofiltration soil media meets the requirements of this specification.
    - Certification from an accredited geotechnical testing laboratory that the biofiltration soil media has an infiltration rate between 5 and 12 in/hr.
    - Organic content test results of the biofiltration soil media. Organic content test shall be performed in accordance with the Testing Methods for the Examination of Compost and Composting (TMECC) 05.07A, "Loss-On-Ignition Organic Matter Method".
    - Organic grain size analysis results of mixed biofiltration soil media performed in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
    - A description of the equipment and methods used to mix the sand and compost to produce the biofiltration soil media.
  - The name of the testing laboratory(ies) and the following information:

- Contact person(s)
- Address(es)
- Phone contact(s)
- E-mail address(es)
- Qualifications of laboratory(ies) and personnel including date of current certification by STA, ASTM, or approved equal.

o Biofiltration soils shall be analyzed by an accredited laboratory using #200 and ½-inch sieves (ASTM D422 or as approved by LACDPW), and meet the gradation described in the table below:

Particle Size (ASTM D422)	% Passing by Weight
½ inch	97-100
#200	2-5

- Biofiltration soil media shall be analyzed by an accredited geotechnical laboratory for the following tests:
  - o Moisture – density relationships (compaction tests) must be conducted on biofiltration soil media. Biofiltration soil media for the permeability test shall be compacted to 85 to 90 percent of the maximum dry density (ASTM D1557).
  - o Constant head permeability testing in accordance with ASTM D2434 shall be conducted on a minimum of two samples with a 6-inch mold and vacuum saturation.
- Mulch is recommended for the purpose of retaining moisture, preventing erosion, and minimizing weed growth. Projects subject to the California Model Water Efficiency Landscaping Ordinance (or comparable local ordinance) will be required to provide at least 2 inches of mulch. Aged mulch, also called compost mulch, reduces the ability of weeds to establish, keeps soil moist, and replenishes soil nutrients. Biofiltration areas must be covered with two to four inches (average three inches) of mulch at the start and an annual placement (preferably in June after weeding) of one to two inches of mulch beneath plants.
- The planting media design height must be marked appropriately, such as a collar on the overflow device or with a stake inserted two feet into the planting media and notched, to show biofiltration surface level and ponding level.

Vegetation

Prior to installation, a licensed landscape architect must certify that all plants, unless otherwise specifically permitted, conform to the standards of the current edition of American Standard for Nursery Stock as approved by the American Standards Institute, Inc. All plant grades shall be those established in the current edition of American Standards for Nursery Stock.

- Shade trees must have a single main trunk. Trunks must be free of branches below the following heights:

CALIPER (in)	Height (ft)
1½-2½	5
3	6

- Plants must be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 96 hours.
- It is recommended that a minimum of three types of tree, shrubs, and/or herbaceous groundcover species be incorporated to protect against facility failure due to disease and insect infestations of a single species.
- Native plant species and/or hardy cultivars that are not invasive and do not require chemical inputs must be used to the maximum extent practicable.

The biofiltration area should be vegetated to resemble a terrestrial forest community ecosystem, which is dominated by understory trees, a shrub layer, and herbaceous ground cover. Select vegetation that:

- Is suited to well-drained soil;
- Will be dense and strong enough to stay upright, even in flowing water;
- Has minimum need for fertilizers;
- Is not prone to pests and is consistent with Integrated Pest Management practices; and
- Is consistent with local water conservation ordinance requirements.

Irrigation System

Provide an irrigation system to maintain viability of vegetation, if applicable. The irrigation system must be designed to local code or ordinance specifications.

Restricted Construction Materials

The use of pressure-treated wood or galvanized metal at or around a biofiltration area is prohibited.

Overflow Device

An overflow device is required at the 18-inch ponding depth. The following, or equivalent, should be provided:

- A vertical PVC pipe (SDR 26) to act as an overflow riser.
- The overflow riser(s) should be eight inches or greater in diameter, so it can be cleaned without damage to the pipe.

- The inlet to the riser should be at the ponding depth (18 inches for fenced biofiltration areas and 6 inches for areas that are not fenced), and be capped with a spider cap to exclude floating mulch and debris. Spider caps should be screwed in or glued (e.g., not removable). The overflow device should convey stormwater runoff in excess of 1.5 times the SWQDv that is not reliably retained on the project site to an approved discharge location (another stormwater quality control measure, storm drain system, or receiving water).

Maintenance Requirements

Maintenance and regular inspections are important for proper function of biofiltration areas. Biofiltration areas require annual plant, soil, and mulch layer maintenance to ensure optimal infiltration, storage, and pollutant removal capabilities. In general, biofiltration maintenance requirements are typical landscape care procedures and include:

- Irrigate plants as needed during prolonged dry periods. In general, plants should be selected to be drought-tolerant and not require irrigation after establishment (two to three years).
- Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred. Properly-designed facilities with appropriate flow velocities should not cause erosion except potentially during in extreme events. If erosion occurs, the flow velocities and gradients within the biofiltration area and flow dissipation and erosion protection strategies in the pretreatment area and flow entrance should be reassessed. If sediment is deposited in the biofiltration area, identify the source of the sediment within the tributary area, stabilize the source, and remove excess surface deposits.
- Prune and remove dead plant material as needed. Replace all dead plants, and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species.
- Remove weeds as needed until plants are established. Weed removal should become less frequent if the appropriate plant species are used and planting density is attained.
- Select the proper soil mix and plants for optimal fertility, plant establishment, and growth to preclude the use of nutrient and pesticide supplements. By design, biofiltration facilities are located in areas where phosphorous and nitrogen levels are often elevated such that these should not be limiting nutrients. Addition of nutrients and pesticides may contribute pollutant loads to receiving waters.
- In areas where heavy metals deposition is likely (i.e., tributary areas to industrial, vehicle dealerships/repair, parking lots, roads), replace mulch annually. In areas where metals deposition is less likely (i.e., residential lots), replace or add mulch as needed to maintain a two to three inch depth at least once every two years.

- Analyze soil for fertility and pollutant levels if necessary. Biofiltration soil media are designed to maintain long-term fertility and pollutant processing capability.
- Eliminate standing water to prevent vector breeding.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.
- Inspect, and clean if necessary, the underdrain.

A summary of potential problems that need to be addressed by maintenance activities is presented in Table E-13.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-13. Biofiltration Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Vegetation	Overgrown vegetation	Mow and prune vegetation as appropriate.
	Presence of invasive, poisonous, nuisance, or noxious vegetation or weeds	Remove this vegetation and plant native species as needed.
Trash and Debris	Trash, plant litter, and dead leaves present	Remove and properly dispose of trash and debris.
Irrigation (if applicable)	Not functioning correctly	Check irrigation system for clogs or broken lines and repair as needed.
Inlet/Overflow	Inlet/overflow areas clogged with sediment and/or debris	Remove material.
	Overflow pipe blocked or broken	Repair as needed.
Erosion/Sediment Accumulation	Splash pads or spreader incorrectly placed Presence of erosion or sediment accumulation	Check inlet structure to ensure proper function. Repair, or replace if necessary, the inlet device. Repair eroded areas with gravel as needed. Re-grade the biofiltration area as needed.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination from floatables such as oil and grease.
Standing water	Standing water observed more than 96 hours after storm event	Inspect, and clean as needed, the underdrain to ensure proper function. Clear clogs as needed. Remove and replace planter media (sand, gravel, topsoil, mulch) and vegetation.

Appendix C:
WetlandMOD System, Pipe Detention System

Preliminary details have been provided for this Preliminary LID. Project specific details and pre-treatment system detail will be provided during final engineering.

STORM WATER COLLECTION AND TREATMENT SYSTEM

11709 Artesia Boulevard Artesia, CA
12,817 cu ft

SPECIFICATION FOR CISTERN SYSTEM

THIS DOCUMENT WILL GOVERN THE FURNISHING AND INSTALLATION OF ALUMINIZED CORRUGATED METAL PIPE CISTERNS FOR UNDERGROUND WATER STORAGE FOR NOMINAL DIAMETERS 12" (300MM) THROUGH 120" (3000MM).

THE MANUFACTURER OF THE CISTERN SYSTEM SHALL BE ONE THAT HAS REGULARLY BEEN ENGAGED IN THE ENGINEERING DESIGN AND PRODUCTION OF THESE SYSTEMS AND WHICH HAS A HISTORY OF SUCCESSFUL PRODUCTION, ACCEPTABLE TO THE ENGINEER OF RECORD (EOR). IN ACCORDANCE WITH THE DRAWINGS, THE CISTERN SYSTEM SHALL BE SUPPLIED BY: SANTA FE WINWATER COMPANY, 10244 FREEMAN AVE, SANTA FE SPRINGS, CA 90670.
TEL: 1-562-777-9724

SAMPLING, TESTING, AND INSPECTION OF MATERIALS USED FOR MANUFACTURING OF THE CISTERN SYSTEM SHALL BE IN ACCORDANCE WITH APPLICABLE ASTM SPECIFICATIONS. ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES UNLESS OTHERWISE NOTED.

THE CISTERN SHALL BE CAPABLE OF INSTALLATION IN SOIL WITH A pH RANGE OF 5 TO 9. FOR SOIL pH OUTSIDE THE RANGE OF 5 TO 9, CONSULT WITH SPECIFYING ENGINEER PRIOR TO ORDERING TO DETERMINE IF ADDITIONAL CISTERN COATING SYSTEM NEED BE CONSIDERED.

THE HYDRAULIC SYSTEM SHALL BE PRE-ASSEMBLED AND TESTED AT FACTORY PRIOR TO SHIPMENT. INSPECTION AND TESTING PROTOCOLS SHALL BE DECIDED BY THE SPECIFYING ENGINEER ACCORDING TO SYSTEM REQUIREMENTS. A COPY OF THE TEST REPORT MUST BE PROVIDED TO THE ENGINEER OF RECORD IF REQUESTED.

UPON REQUEST, THE CISTERN SYSTEM INLETS SHALL BE EQUIPPED WITH AN INLET CALMING DEVICE TO ALLOW INTRODUCTION OF WATER TO THE TANK WITH LITTLE TO NO TURBULENCE.

THE CISTERN SYSTEM SHALL BE FITTED WITH A MIN. 4" OUTLET OR PERFORATED MANHOLE COVERS FOR VENTING, DEPENDANT UPON SITE CONDITIONS AND DIRECTION BY SPECIFYING ENGINEER. OVERFLOW PIPE SHALL BE PROVIDED UPON REQUEST BY SPECIFYING ENGINEER.

SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.

ACCESS COVERS SHALL BE A MINIMUM OF 24-INCH DIAMETER TO PROVIDE ADEQUATE INSPECTION AND MAINTENANCE WITHOUT RESTRICTIONS AND OBSTRUCTIONS TO ENTRY INTO INTERIOR OF THE CISTERN. COVERS SHALL BE WATERTIGHT, DO NOT SLIDE, ROTATE, OR FLIP OPEN AND ARE CAPABLE OF SUPPORTING DESIGN LOADS.

PRIOR TO SHIPMENT, CISTERN SYSTEM MAY BE INSPECTED AT FACTORY BY OWNER'S AUTHORIZED REPRESENTATIVE UPON REQUEST.

INSTALLATION

THE CONTRACTOR SHALL FOLLOW OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION (OSHA) GUIDELINES FOR SAFE PRACTICES IN EXECUTING THE INSTALLATION PROCESS IN ACCORDANCE WITH THE MANUFACTURER/SUPPLIER INSTALLATION RECOMMENDATIONS.

A NON-WOVEN GEOTEXTILE FILTER FABRIC IS RECOMMENDED TO BE INSTALLED IN EXCAVATION, OR OTHER MEASURES SHOULD BE TAKEN, TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE INITIAL BACKFILL MATERIAL, WHEN REQUIRED BY THE GEOTECHNICAL ENGINEER OR E.O.R.

TRENCH BOTTOM (FOUNDATION) WITH UNSTABLE OR UNYIELDING MATERIAL SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNSTABLE MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE TRENCH BOTTOM, IF DIRECTED BY THE ENGINEER.

SUITABLE BEDDING MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321. MINIMUM BEDDING THICKNESS SHALL BE 4" (100 mm) AS MEASURED FROM OUTER PIPE DIAMETER.

INITIAL BACKFILL MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321. COMPACTION AND BACKFILL LIFTS SHALL BE IN ACCORDANCE WITH ASTM D2321. INITIAL BACKFILL SHALL EXTEND TO NOT LESS THAN 6" (150 mm) ABOVE THE TOP OF THE CISTERN.

MINIMUM COVER FOR UP TO H-25 TRAFFIC APPLICATIONS:
- 12" FOR PIPE DIAMETER UP TO 72" DIAMETER
- 18" FOR DIAMETER OVER 72".

MINIMUM COVER SHALL BE MEASURED FROM THE TOP OF THE PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO THE TOP OF RIGID PAVEMENT. ADDITIONAL COVER MAY BE REQUIRED FOR CONSTRUCTION LOADS, FOR VEHICLES OVER 75T (68 metric tons) OR TO PREVENT FLOATATION.

FINAL BACKFILL MATERIAL SHALL BE SUITABLE MATERIALS AS DIRECTED BY THE ENGINEER OR AS INDICATED BY MANUFACTURER. FOR AREAS SUBJECTED TO HEAVY TRAFFIC LOADING, A HIGHER DEGREE OF COMPACTION IS NECESSARY AND A SEPARATION LAYER OF NON-WOVEN GEOTEXTILE MAY BE REQUIRED. COMPACTION LEVELS AND/OR GEOTEXTILE MAY BE SPECIFIED AT THE DISCRETION OF THE DESIGN ENGINEER OR MANUFACTURER'S REPRESENTATIVE.

CONSULT THE INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

GENERAL NOTES

PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR TO REVIEW MANUFACTURER'S INSTALLATION GUIDE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROJECT ENGINEER TO ENSURE THAT ALL QUESTIONS ABOUT INSTALLATION ARE ADDRESSED PRIOR TO APPROVAL OF SYSTEM. ALL DETAILS FOR INSTALLATION ARE LOCATED IN THIS DRAWING PACKAGE, OR UPON REQUEST TO PIPING MANUFACTURER. ANY QUESTIONS CONCERNING THESE STANDARD DETAILS CAN BE ADDRESSED BY THE CISTERN MANUFACTURER'S REPRESENTATIVE PRIOR TO APPROVAL.

ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.

PRIOR TO INSTALLATION OF THE SYSTEM, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.

CONTRACTOR(S) SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE CISTERN SYSTEM, APPURTENANCES AND INCIDENTALS IN ACCORDANCE WITH THE DRAWINGS AND AS SPECIFIED HEREIN.

A STORM WATER TREATMENT DEVICE UPSTREAM OF THE CISTERN SYSTEM IS RECOMMENDED AS THE APPROPRIATE MEANS OF PRETREATING TO EXTEND THE MAINTENANCE INTERVAL ON THE SYSTEM AND REDUCE LIFE CYCLE COSTS. BOTH ENGINEERED SOLUTIONS SHALL BE PROVIDED BY A SINGLE SUPPLIER/MANUFACTURER.

PRIOR TO SYSTEM START UP, ANY ACCUMULATED WATER AND DEBRIS SHALL BE REMOVED FROM THE CISTERN TANK(S) AND ANY ACCOMPANYING TREATMENT SYSTEMS AND PUMP VAULTS.

BELOW GRADE SYSTEM MARKING TAPE, IF REQUIRED BY LOCAL ORDINANCE, CAN BE SUPPLIED UPON REQUEST. CONTACT SFWW WITH REQUIREMENT DETAILS.

ALL ITEMS SHOWN SHALL BE PROVIDED BY SANTA FE WINWATER AS A COMPLETE STORMWATER MANAGEMENT SYSTEM. ANY SUBSTITUTIONS OR OMISSIONS MAY VOID WARRANTY.

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

PROPRIETARY AND CONFIDENTIAL
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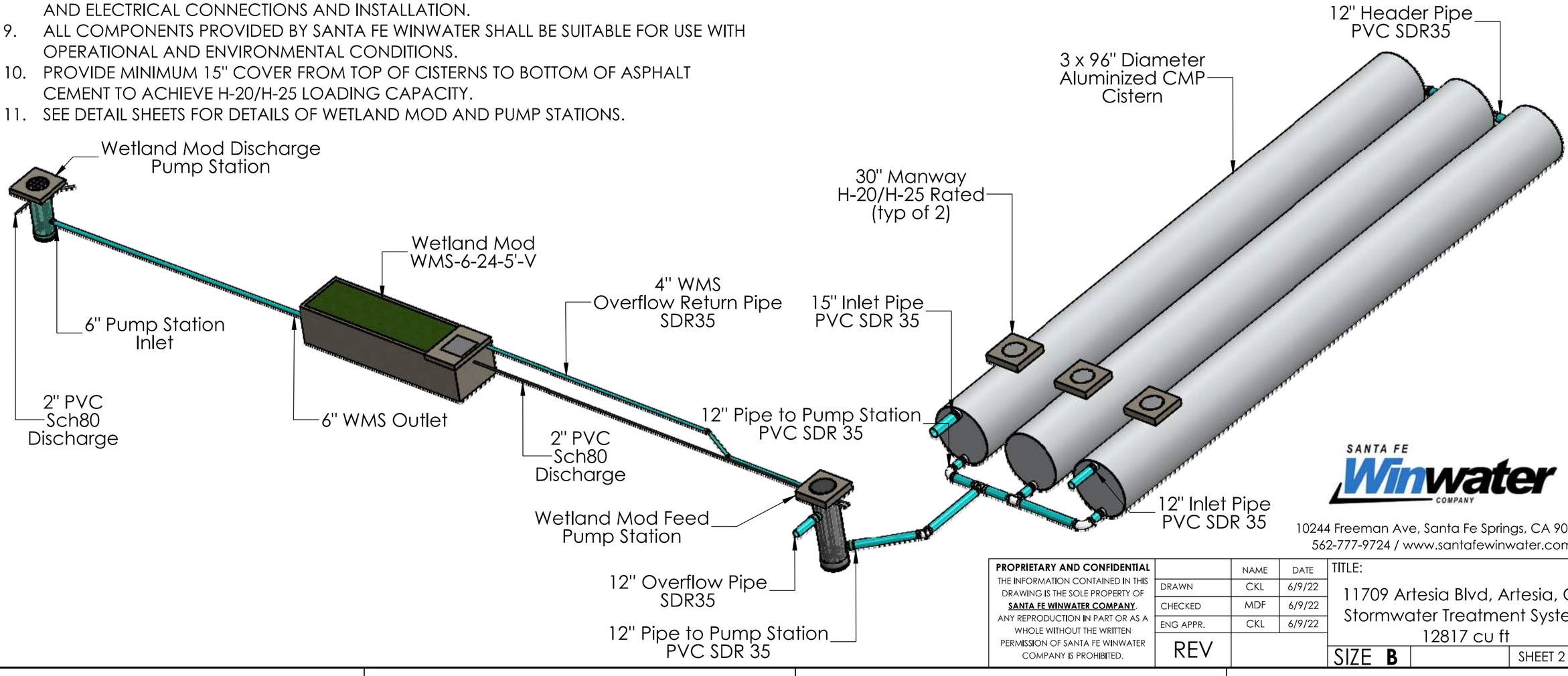
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 1 OF 7

NOTES:

1. ALL ITEMS SHOWN SHALL BE PROVIDED BY SANTA FE WINWATER AS A COMPLETE STORMWATER MANAGEMENT SYSTEM. ANY SUBSTITUTIONS OR OMISSIONS MAY VOID WARRANTY.
2. MODULAR WETLAND TO BE MODEL WMS-6-24-5'-V, MANUFACTURED BY BIOCLEAN ENVIRONMENTAL SERVICES, INC. AND SUPPLIED BY SANTA FE WINWATER COMPANY.
3. STORAGE SYSTEM TO BE 96" ALUMINIZED CMP AS SUPPLIED BY SANTA FE WINWATER COMPANY.
4. SEE CIVIL SHEETS FOR UNIT LOCATIONS.
5. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE NOMINAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE ON-SITE CONTRACTOR OR CUSTOMER TO VERIFY THE ACCURACY OF ANY CRITICAL DIMENSIONS OR ELEVATIONS PRIOR TO SETTING OR INSTALLING ANY EQUIPMENT.
6. ALL MATERIALS SHALL BE DELIVERED TO THE SITE AFTER EXCAVATIONS HAVE BEEN EXCAVATED AND SHORED. THE CONTRACTOR SHALL SUPPLY A CRANE OF SUFFICIENT SIZE TO LOWER ALL PIECES INTO THE HOLE SAFELY. THE CONTRACTOR SHALL INSTALL ALL ITEMS.
7. UPON ESTABLISHMENT OF PRIOR AGREEMENT, SANTA FE WINWATER COMPANY WILL PROVIDE A REPRESENTATIVE FOR TECHNICAL ASSISTANCE ON THE DAY OF INSTALLATION TO ANSWER ANY QUESTIONS THAT MAY ARISE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL REINFORCED CONCRETE PADS AND COLLARS, PLUMBING AND ELECTRICAL CONNECTIONS AND INSTALLATION.
9. ALL COMPONENTS PROVIDED BY SANTA FE WINWATER SHALL BE SUITABLE FOR USE WITH OPERATIONAL AND ENVIRONMENTAL CONDITIONS.
10. PROVIDE MINIMUM 15" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CEMENT TO ACHIEVE H-20/H-25 LOADING CAPACITY.
11. SEE DETAIL SHEETS FOR DETAILS OF WETLAND MOD AND PUMP STATIONS.



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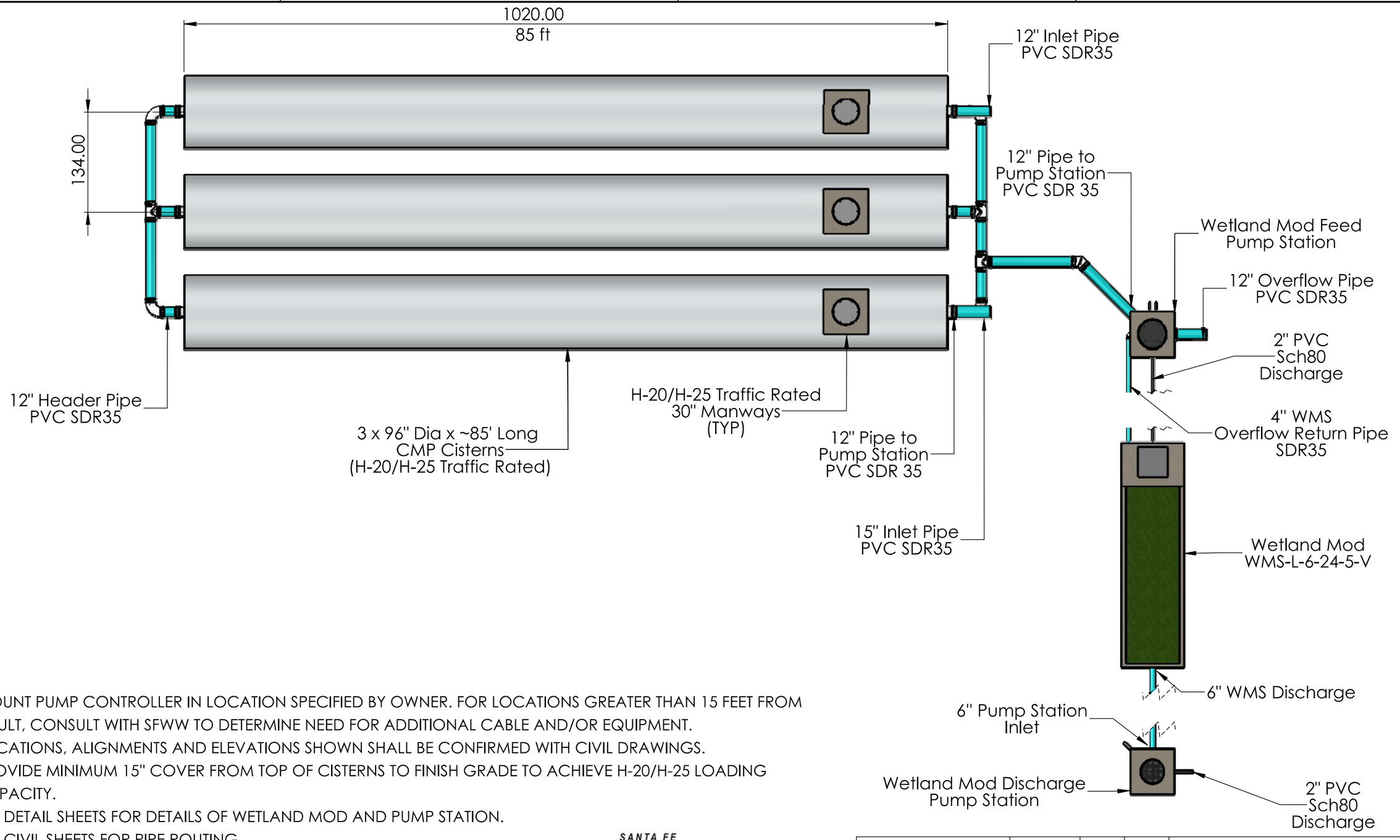
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 2 OF 7



NOTES:

1. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWW TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
2. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
3. PROVIDE MINIMUM 15" COVER FROM TOP OF CISTERNS TO FINISH GRADE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
4. SEE DETAIL SHEETS FOR DETAILS OF WETLAND MOD AND PUMP STATION.
5. SEE CIVIL SHEETS FOR PIPE ROUTING.
6. INVERT ELEVATION OF OVERFLOW PIPE SHALL PEAK ABOVE INSIDE TOP OF CISTERN.

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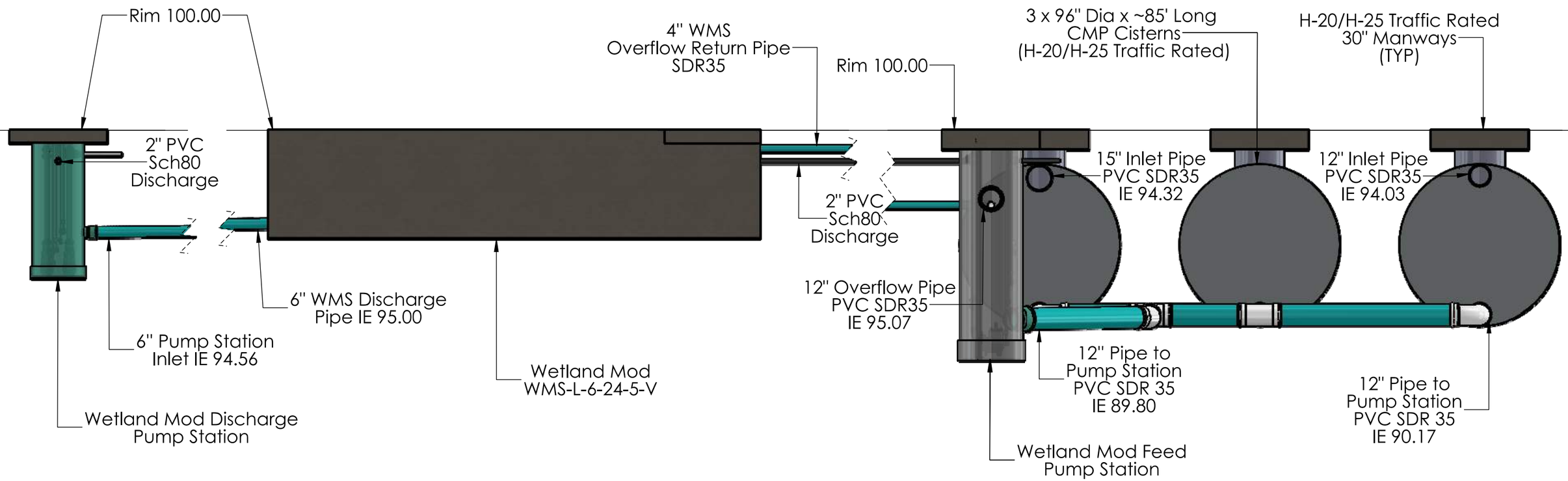
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 3 OF 7



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1. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWW TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
2. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
3. PROVIDE MINIMUM 15" COVER FROM TOP OF CISTERNS TO FINISH GRADE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
4. SEE DETAIL SHEETS FOR DETAILS OF WETLAND MOD AND PUMP STATION.
5. SEE CIVIL SHEETS FOR PIPE ROUTING.
6. INVERT ELEVATION OF OVERFLOW PIPE SHALL PEAK ABOVE INSIDE TOP OF CISTERN.
7. FINISH GRADE ELEVATIONS SHOWN ON THIS SHEET ARE GENERIC AND DO NOT MATCH SITE CONDITIONS. THEY ARE USED TO SHOW RELATIVE DEPTH OF THE SYSTEM COMPONENTS.

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
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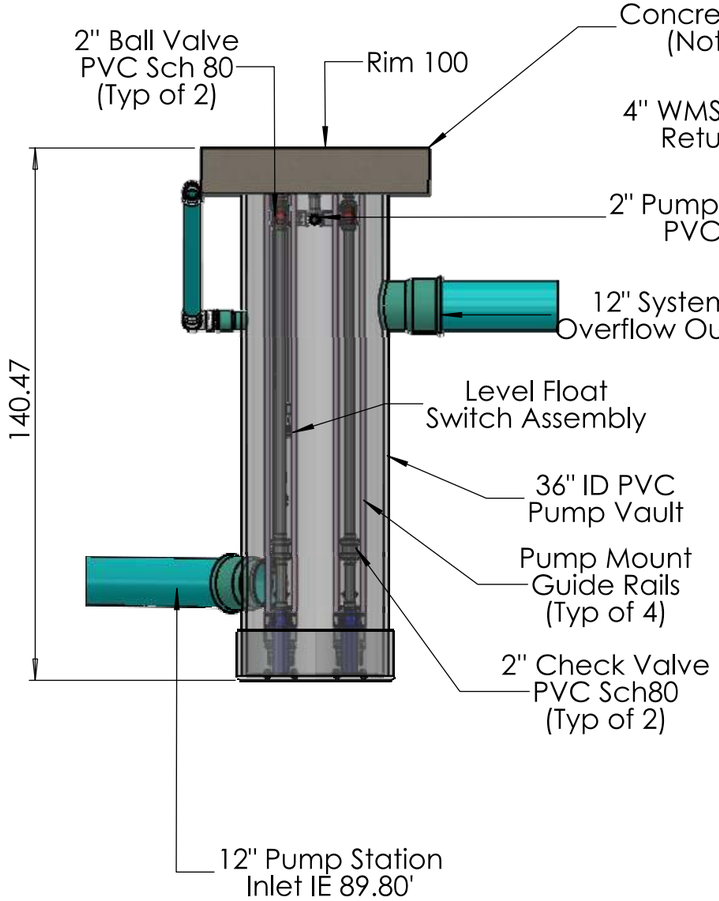
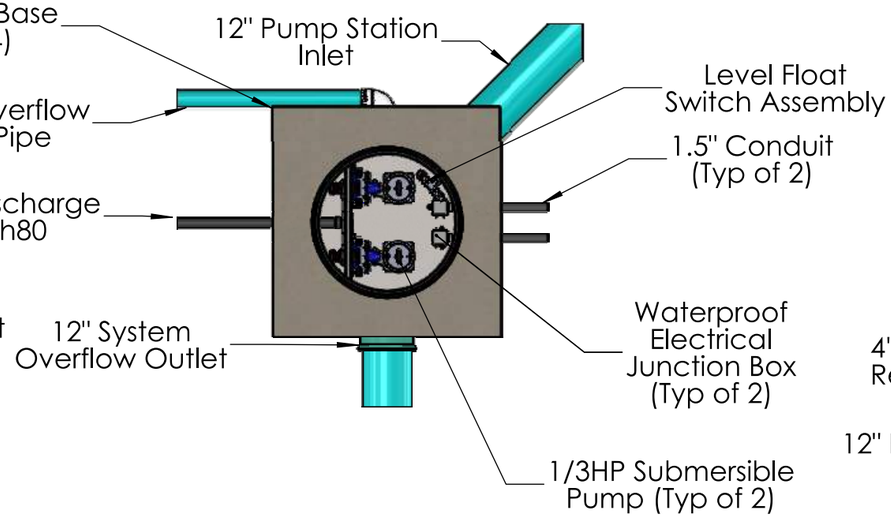
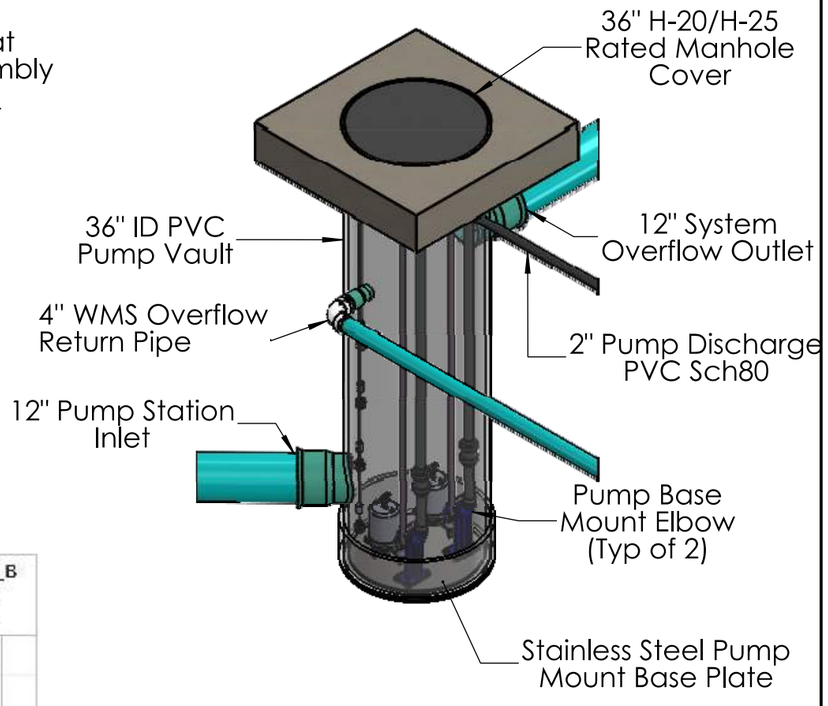
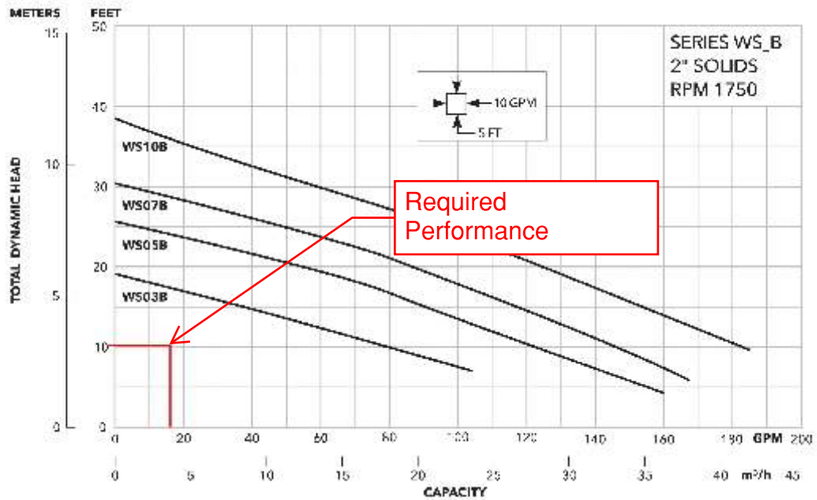
11709 Artesia Blvd, Artesia, CA
Stormwater Treatment System
12817 cu ft

SIZE **B** | SHEET 4 OF 7









NOTES:

1. All materials shown on this sheet shall be supplied by Santa Fe WinWater Company, Santa Fe Springs, CA, except where noted. Pumps shall be SFWW SWP-3, 115v, 12A. Substitution of any component may void warranty.
2. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
3. Route 2" pump system outlet and 12" Overflow pipe as shown on Civil Sheets. 12" Overflow pipe not required for treatment discharge pump systems.
4. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
5. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
6. Pump performance requirements based on 96 hour drawdown of 12,817 cu ft = 16.5 gpm.

Pump Station Headloss Calculation (Hazen-Williams) (For Complete Calculations, please contact SFWW)	
Pipe length 2" PVC Sch80 = 66'	0.53'
Check Valve (1)	0.12'
90 Degree Bends (2)	0.07'
Tee (Main to branch)	0.09'
Pipe Exit (1)	0.05'
Elevation Head	9.25'
TOTAL DISCHARGE HEAD REQ'D @ 16.5gpm	**10.11'**

SANTA FE Winwater COMPANY
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.santafewinwater.com

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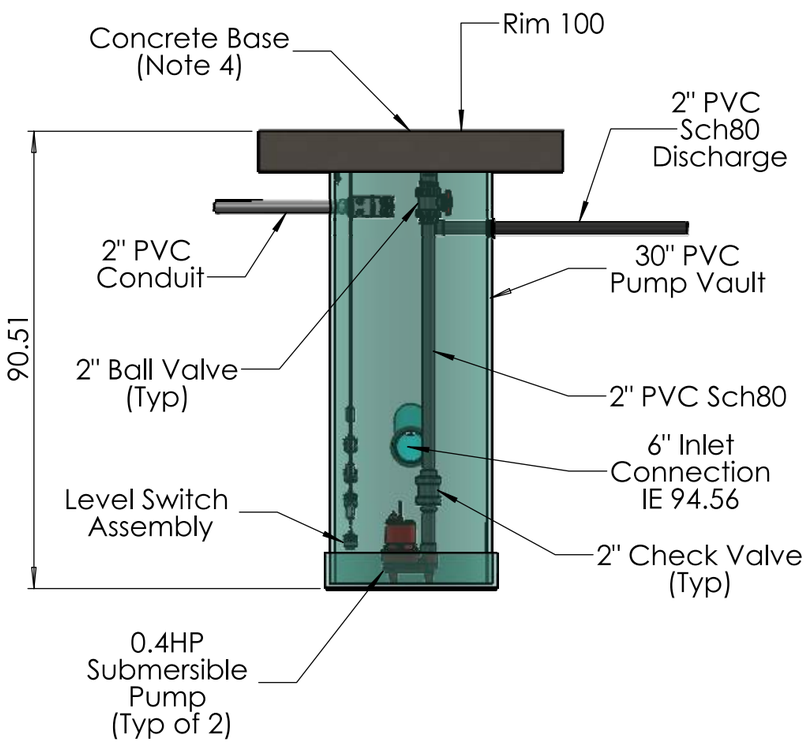
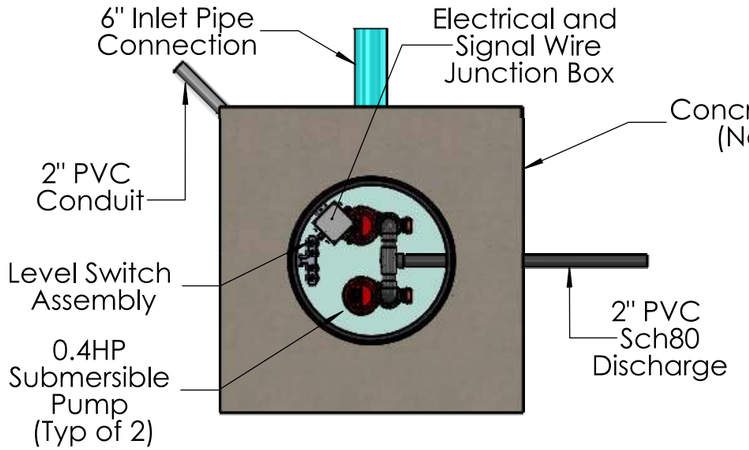
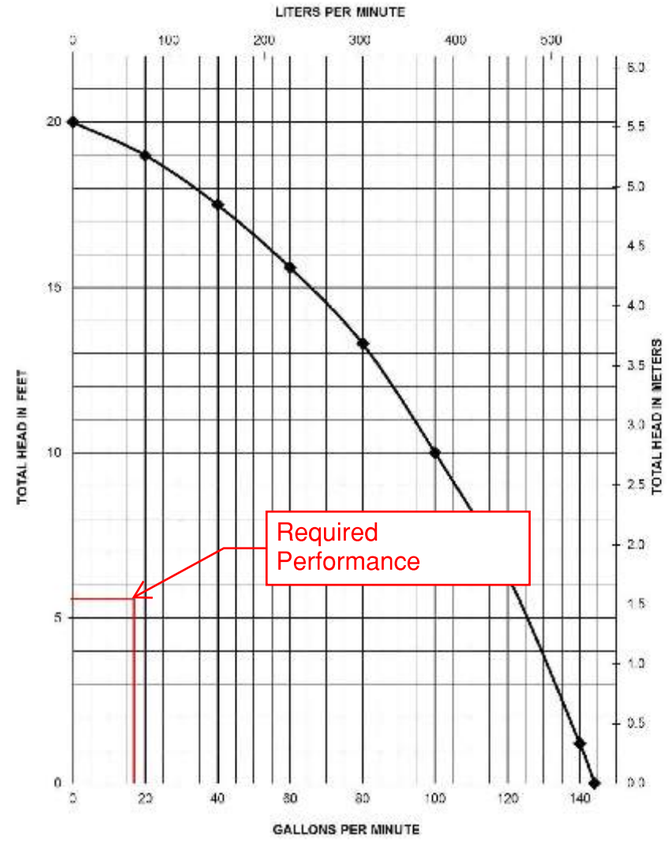
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	DB	6/9/22
ENG APPR.	CKL	6/9/22
REV		

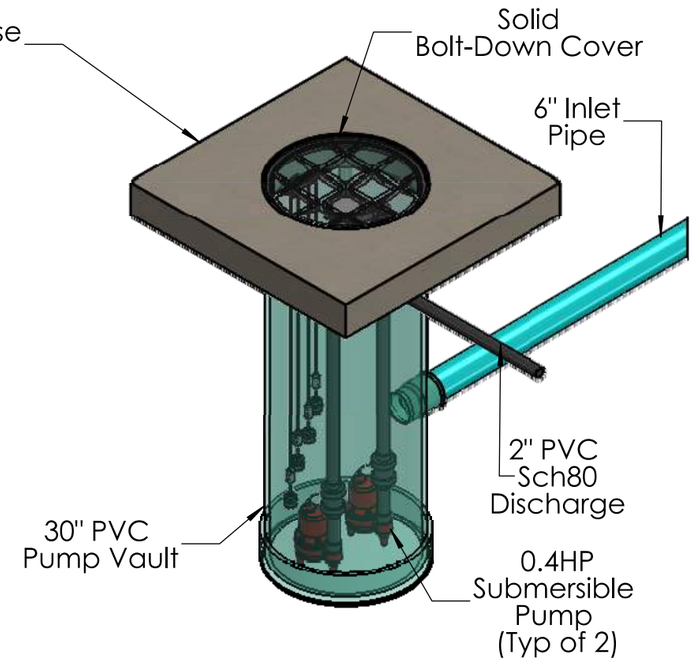
TITLE:
11709 Artesia Blvd. Artesia, CA
Stromwater Feed Pump
Station

SIZE **B** | SHEET 5 OF 7









NOTES:

1. All materials shown on this sheet shall be supplied by Santa Fe WinWater Company, Santa Fe Springs, CA, except where noted. Pumps shall be SFWW SWP-4, 115v, 3A. Substitution of any component may void warranty.
2. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
3. Route 2" pump system outlet and 12" Overflow pipe as shown on Civil Sheets. 12" Overflow pipe not required for treatment discharge pump systems.
4. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
5. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
6. Pump performance requirements based on 96 hour drawdown of 12,817 cu ft = 16.5 gpm.

Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	10.2'	0.08'
Check Valve	1	0.12'
90 Elbow	2	0.07'
Tee	1	0.09'
Exit	1	0.05'
Elevation Head		5.25'
Total Headloss @ 16.5 gpm		5.67'

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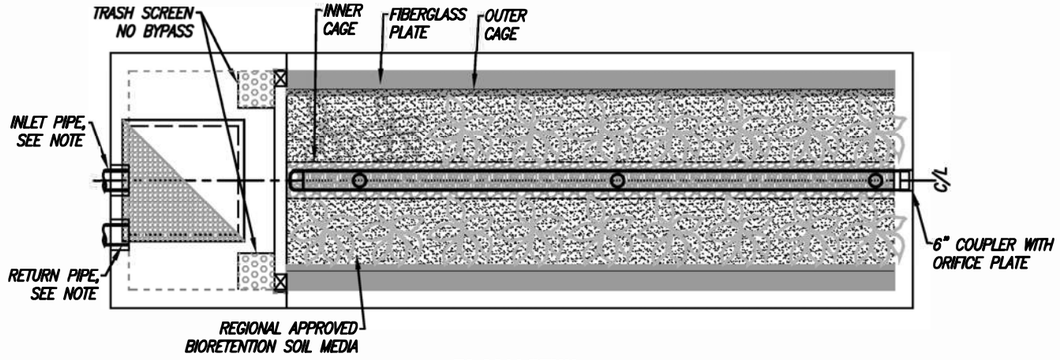
	NAME	DATE
DRAWN	CKL	6/9/22
CHECKED	MDF	6/9/22
ENG APPR.	CKL	6/9/22
REV		

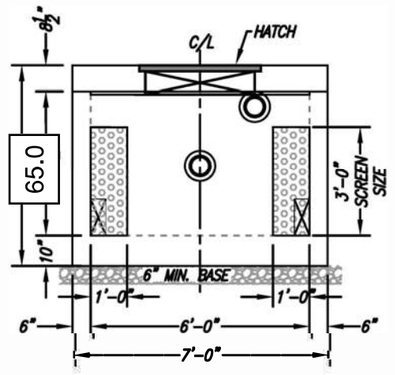
TITLE:
11709 Artesia Blvd, Artesia, CA
Stormwater Discharge Pump Station

SIZE **B** | SHEET 6 OF 7

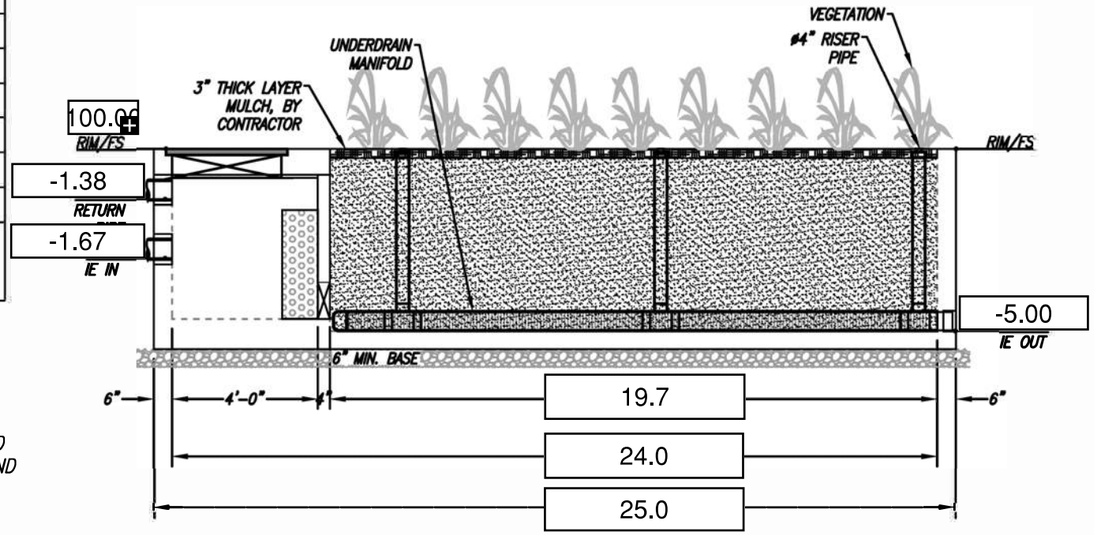
SITE SPECIFIC DATA			
PROJECT ID			
PROJECT NAME		11709 Artesia Blvd	
PROJECT LOCATION		Artesia, CA	
STRUCTURE ID			
TREATMENT REQUIRED			
VOLUME BASED (CF)		FLOW BASED (CFS)	
12,712.80		---	
TREATMENT HGL AVAILABLE (FT)			---
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE			OFFLINE
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE	-1.67	PVC SCH80	2"
RETURN PIPE	-1.38	PVC SDR35	4"
OUTLET PIPE	-5.00	PVC–SDR35	6"
	PRETREATMENT	BIOFILTRATION	N/A
RIM ELEVATION	100.00	100.00	N/A
SURFACE LOAD	PEDESTRIAN	OPEN PLANTER	N/A
FRAME & COVER	36" X 36"	N/A	N/A
LA COUNTY MEDIA MIX VOLUME (CY)			---
GRAVEL LAYER WITHIN MEDIA CHAMBER (CY)			---
ORIFICE DIAMETER (IN)			---
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			



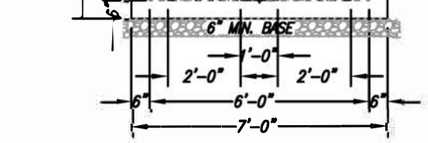
PLAN VIEW



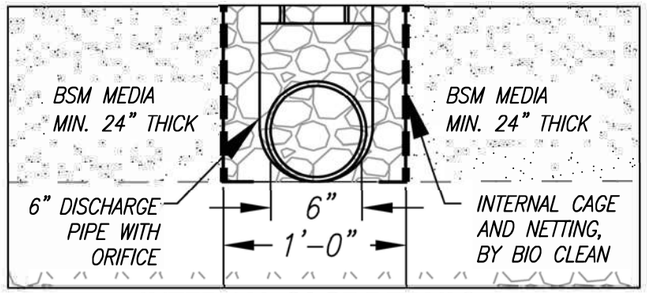
INLET VIEW



ELEVATION VIEW



OUTLET VIEW



INTERNAL CAGE DETAILS

REQUIRED HORIZ. MEDIA THICKNESS (INCHES)	24
TREATMENT VOLUME (CF)	12,712.80
TARGETED DRAINDOWN DURATION (HR)	96.0
WETLANDMEDIA INFILTRATION RATE (IN/HR)	12.0
WETLANDMEDIA LOADING RATE (GPM/SF)	0.12
DISCHARGE RATE (CFS)	0.04
REQUIRED TOTAL MEDIA SURFACE AREA (SF)	137.57
PROVIDED TOTAL MEDIA SURFACE AREA (SF)	140.92
NUMBER OF ROW(S)	1

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON–SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

SANTA FE Winwater COMPANY

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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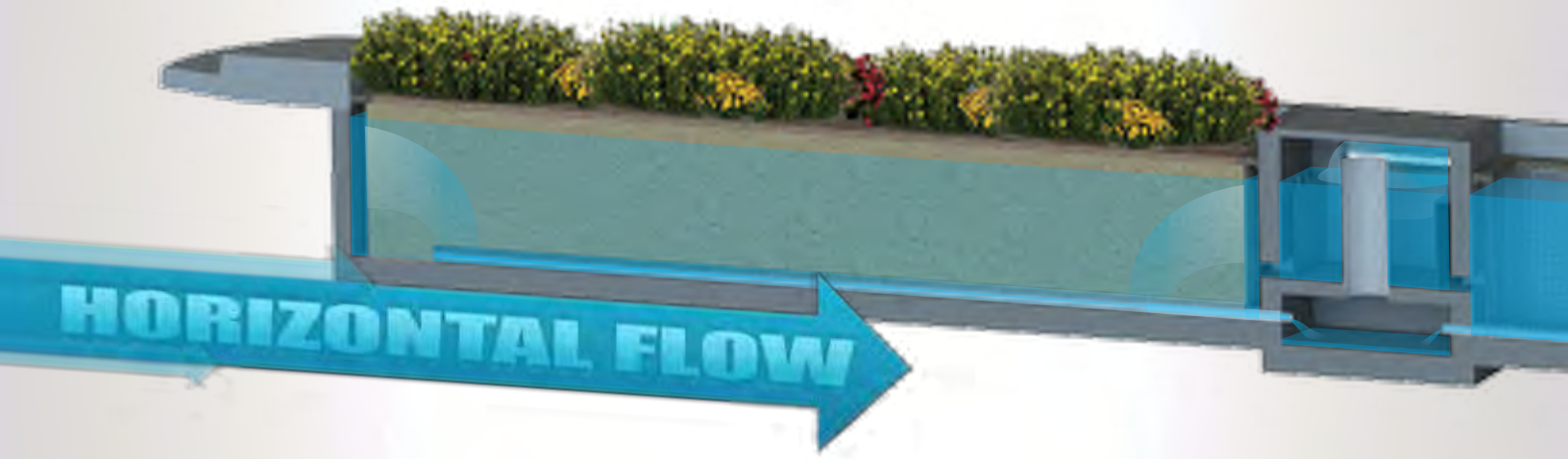
Bio Clean
A Forterra Company

WetlandMOD- 6-24.0-5.0 -V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

HDNS1227.6

MODULAR WETLANDS™

*Advanced **Stormwater** Biofiltration*



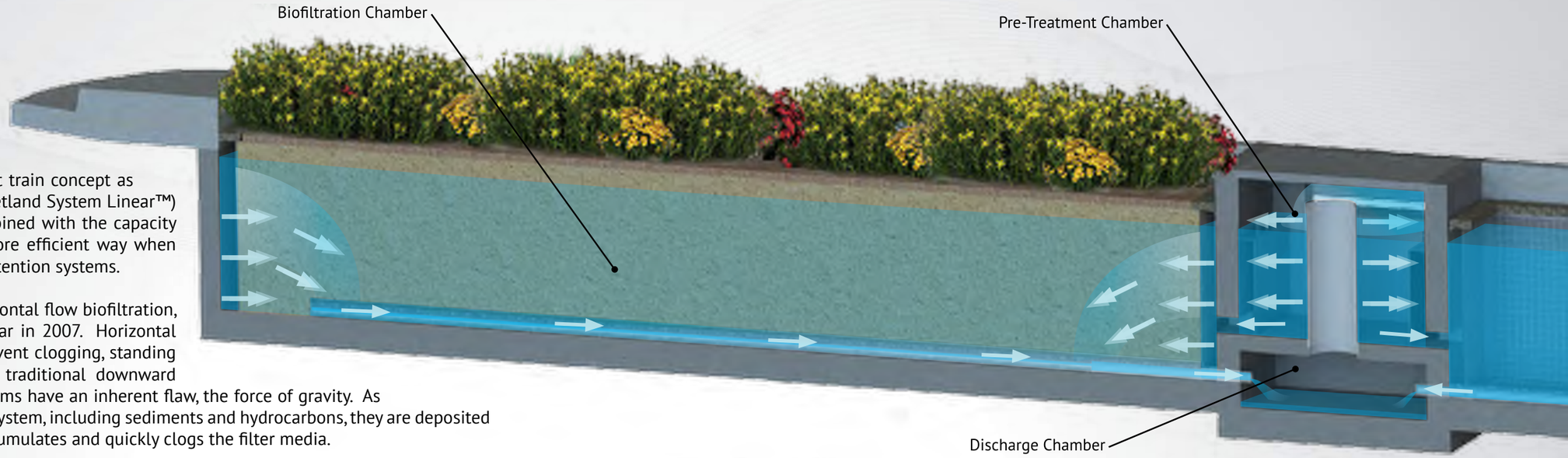
WetlandMod™

MODULAR WETLAND TREATMENT, VOLUME REDUCTION, REUSE & STORAGE SYSTEM

A NEW DIRECTION IN TRADITIONAL BIORETENTION / BIOFILTRATION SYSTEMS

Overview

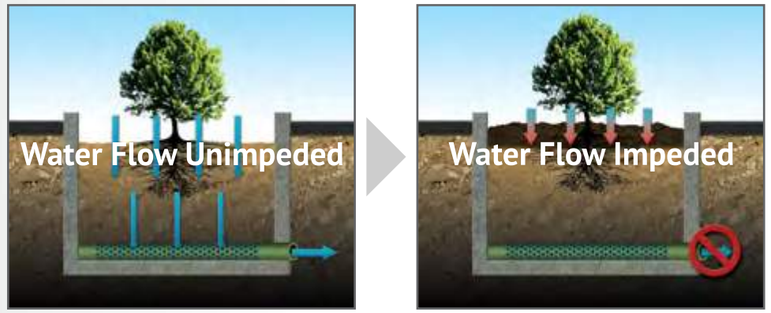
Modular Wetland Systems, Inc. continues to provide groundbreaking stormwater treatment and volume reduction/control technology with the **WetlandMod™**. This modular system provides the same treatment train concept as the industry leading MWS Linear (Modular Wetland System Linear™) - screening, separation, & biofiltration - combined with the capacity to reduce and control water volume in a more efficient way when compared to traditional downward flow bioretention systems.



The system is built upon the concept of horizontal flow biofiltration, which was first introduced by the MWS Linear in 2007. Horizontal flow works with gravity, not against it, to prevent clogging, standing water and other problems associated with traditional downward flow bioretention systems. Bioretention systems have an inherent flaw, the force of gravity. As stormwater runoff carries pollutants into the system, including sediments and hydrocarbons, they are deposited on top of the bioretention media where it accumulates and quickly clogs the filter media.

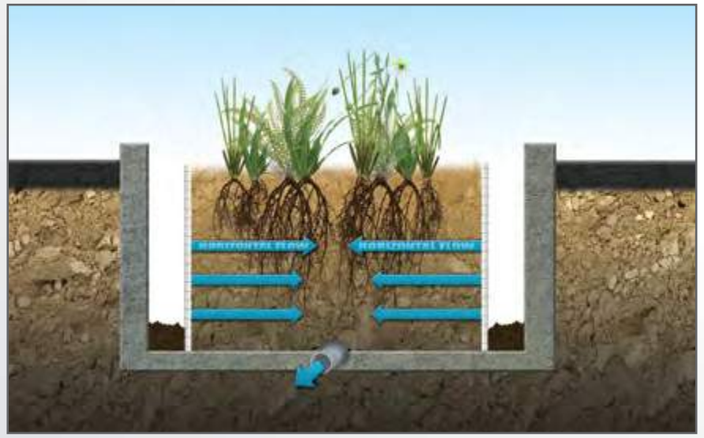
It has been documented that sediment accumulation from just a few storm events can completely clog a bioretention system. This leads to drastically reduced infiltration rates, expensive maintenance burdens, and safety issues associated with standing water, depressed landscaping and vector control.

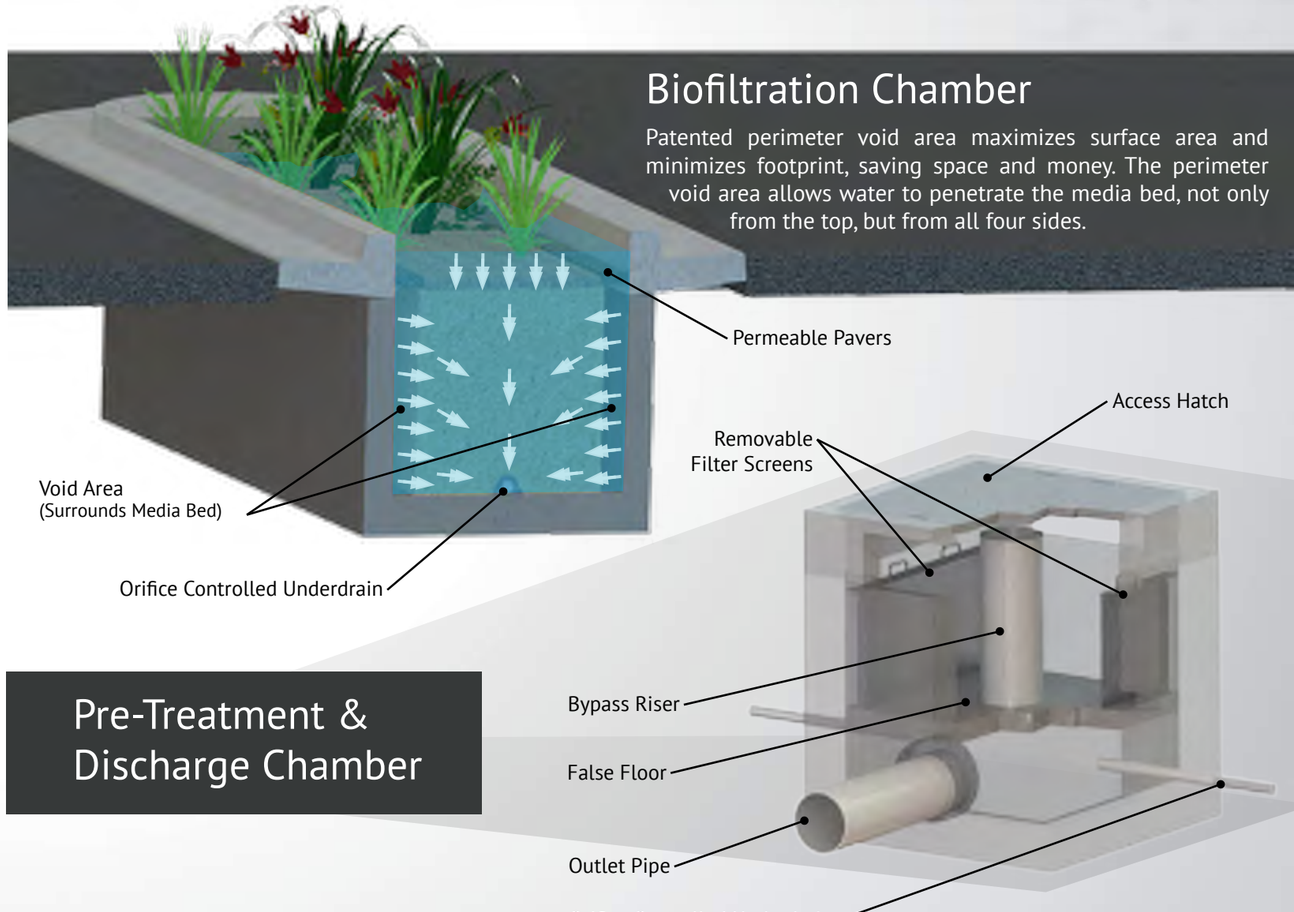
Downward Flow



Sediments Accumulate on Top of the Media Leading to Clogging

The **WetlandMod™** overcomes these challenges by utilizing pre-treatment, a horizontal flow biofiltration bed, and orifice flow control. The initial surface of the media bed in the **WetlandMod™** is oriented on a vertical plane, as opposed to horizontally, therefore running parallel with the force of gravity as opposed to perpendicular. This simple concept, increases surface area, reduces BMP footprint, prevents clogging and leads to an enhanced overall system with lower maintenance costs. The **WetlandMod™** can utilize various blends to meet local stormwater bioretention media specifications. The system is also available with an organic-free WetlandMEDIA to prevent nutrient leaching and maximize pollutant removal.





Biofiltration Chamber

Patented perimeter void area maximizes surface area and minimizes footprint, saving space and money. The perimeter void area allows water to penetrate the media bed, not only from the top, but from all four sides.

Pre-Treatment & Discharge Chamber

Configuration

One of the biggest challenges of the implementation of LID and bioretention/biofiltration systems is the associated space requirements. The large space requirements of traditional bioretention systems can cause design and feasibility issues, increasing the overall cost to comply with local and state stormwater regulations.

The **WetlandMod™** marks the first technological breakthrough to address how we comply with these regulations. The goal of the system is to minimize footprint and land costs associated with traditional bioretention/ biofiltration systems. This is acheived by utilizing horizontal flow technology and combining it with traditional downward flow, therefore maximizing the surface area for a given footprint.

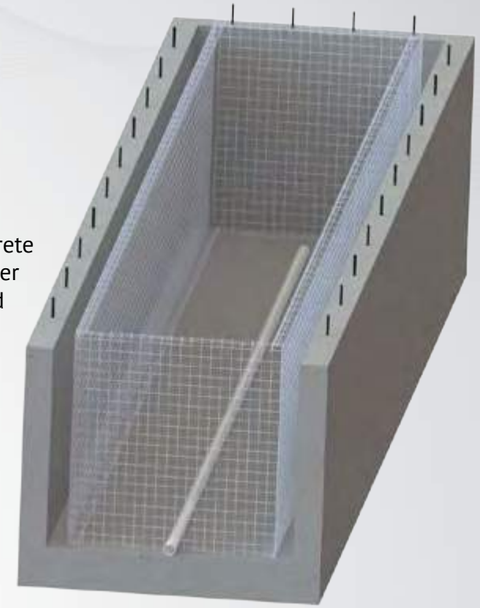
Designed To Minimize Required BMP Footprint and Maximize Buildable Space

This system is constructed from modular precast concrete structures. The system comes standard with a curb-type pre-treatment structure, including internal bypass. The biofiltration chambers can be made in any length and shape (shown below) to allow for easy integration with parking lot island designs. The system comes in two standard widths, 4 feet (18" minimum media requirement - San Diego County) and 5 feet (24" minimum media requirement - Los Angeles County).

Footprint Reduction Up To 61% Over Traditional Bioretention Systems

(Example: Planter Boxes, Rain Gardens, Biofiltration)

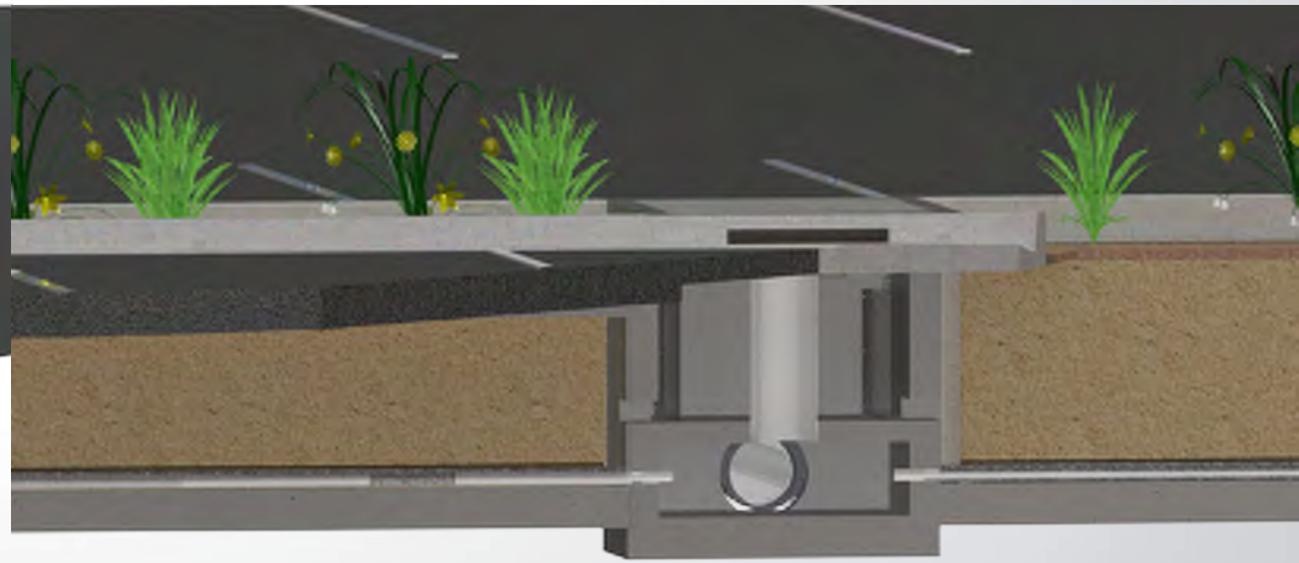
Wetland Chamber Module



The *Wetland Chamber Module* is constructed of precast concrete and available in various lengths and heights. The chamber also includes rebar dowels to attach structure to curb and gutter. Units can be connected mechanically end-to-end for longer modules.

Pre-Treatment Chamber Module

Pre-treatment Chambers come standard with built-in curb inlets to intercept sheet flows from surrounding areas. The pre-treatment chamber is available with an optional internal bypass for high flows and it is easily accessible for quick maintenance. Trash, debris and sediments are isolated in a central location, minimizing maintenance requirements on the biofiltration chamber.

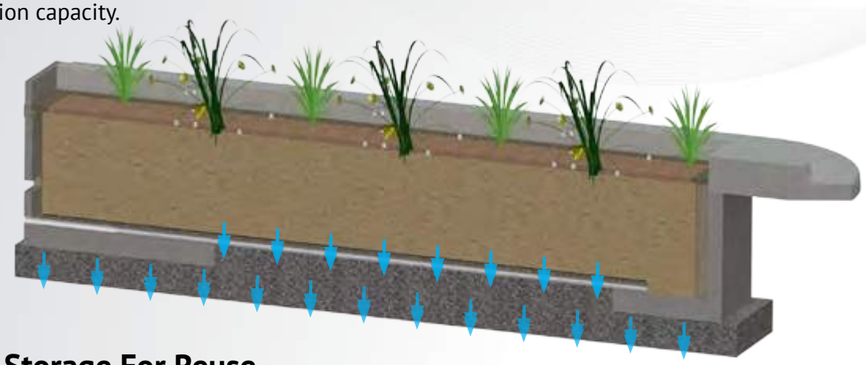


Curb Inlet

Configurations

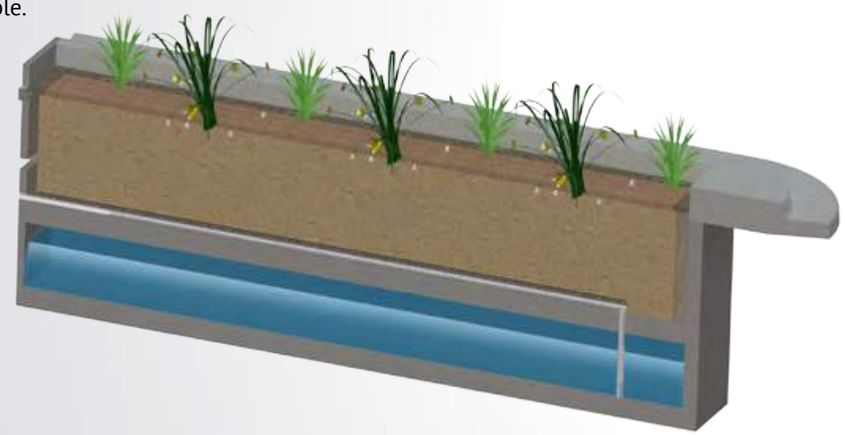
Open Bottom - Infiltration

This configuration is available with an open basin to maximize infiltration and meet "partial infiltration" requirements in many jurisdictions. A 12" rock base is recommended under the structure to maximize storage and infiltration capacity.



Cistern - Storage For Reuse

An optional storage vessel under the biofiltration chamber stores water for reuse, including irrigation and grey water. The *Cistern* configuration allows for treated runoff to be stored for later use and a removable sump pump is available.



WetlandMEDIA

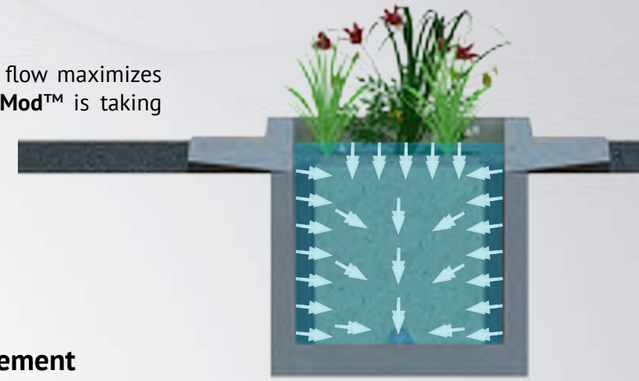
WetlandMEDIA is an organic free alternative to traditional bioretention media. It offers higher infiltration rates and a sorptive media mix with high ion exchange capacity. This makes it ideal for nutrient removal. WetlandMEDIA also supports robust vegetation and prevents standing water.

Bioretention Mix

The **WetlandMod™** is designed to utilize any type of bioretention mix required to meet local requirements and specifications, including a *5-Inch Per Hour* sand compost mix found in most LID manuals.

Sizing

The combination of horizontal flow and downward flow maximizes surface area and minimizes footprint. The **WetlandMod™** is taking bioretention/biofiltration to a new level.



18" Media - San Diego County Minimum Requirement

18" Media Thickness	WetlandMod	Traditional Bioretention
Chamber Width I.D. (ft.)	4.00	4.00
Cage Width (ft.)	3.34	n/a
Void Width (ft.)	0.33	n/a
Chamber Height Max (TC) (ft.)	4.40	n/a
Assoc. Cage Height Max (ft.)	3.52	n/a
TC to Top of Cage Distance (ft.)	0.88	n/a
Ponding Over Media (ft.)	0.33	Variable
Chamber Height Min (ft.)	1.61	Variable
Assoc. Cage Height Min (ft.)	1.83	Variable
TC to Top of Cage Distance (ft.)	0.88	Variable
MAX Surface Area Per Linear Foot (sq. ft.)	**10.38**	**4**
Footprint Reduction Provided	**61%**	
MIN Surface Area Per Linear Foot (sq. ft.)	**7**	**4**
Footprint Reduction Provided	**43%**	

24" Media - Los Angeles County Minimum Requirement

24" Media Thickness	WetlandMod	Traditional Bioretention
Chamber Width I.D. (ft.)	5.00	5.00
Cage Width (ft.)	4.34	n/a
Void Width (ft.)	0.33	n/a
Chamber Height Max (TC) (ft.)	4.40	n/a
Assoc. Cage Height Max (ft.)	3.52	n/a
TC to Top of Cage Distance (ft.)	0.88	n/a
Ponding Over Media (ft.)	0.33	Variable
Chamber Height Min (ft.)	2.05	Variable
Assoc. Cage Height Min (ft.)	2.33	Variable
TC to Top of Cage Distance (ft.)	0.88	Variable
MAX Surface Area Per Linear Foot (sq. ft.)	**11.38**	**5**
Footprint Reduction Provided	**56%**	
MIN Surface Area Per Linear Foot (sq. ft.)	**9**	**5**
Footprint Reduction Provided	**44%**	

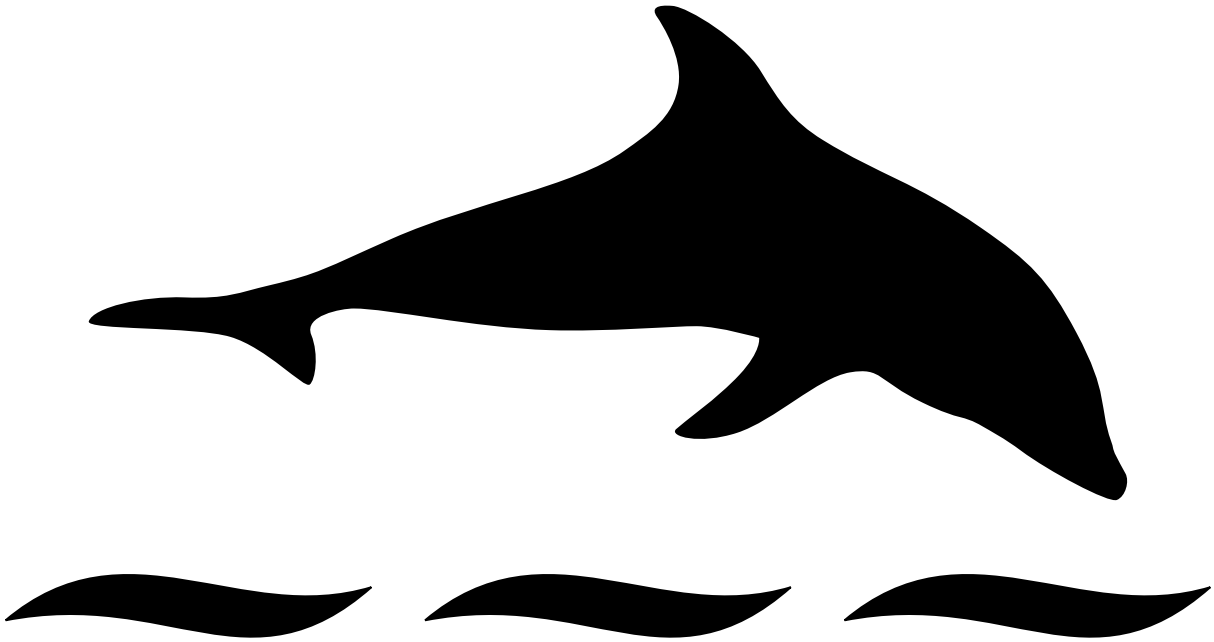
Advantages of WetlandMod™ Over Traditional Downward Flow Bioretention/Biofiltration Systems

- Minimizes Clogging
- Advanced Pre-Treatment
- Maximized Surface Area
- Minimal Footprint
- High Nutrient Removal
- Easy Maintenance
- No Standing Water Concerns
- Greater Volume Reduction, Moisture Retention and Evapotranspiration
- Orifice Controlled Discharge

Appendix D:
"NO DUMPING – DRAINS TO OCEAN" Stencil Examples

Sample Stencil 1

NO DUMPING



DRAINS TO OCEAN

Sample Stencil 2

Appendix E:
Catch Basin Cleaning

United States Environmental Protection Agency | Office of Water Washington, D.C. | EPA 832-F-99-011 September 1999

EPA

Storm Water O&M Fact Sheet Catch Basin Cleaning

DESCRIPTION

Catch basins are chambers or sumps, usually built at the curb line, which allow surface water runoff to enter the storm water conveyance system. Many catch basins have a low area below the invert of the outlet pipe intended to retain coarse sediment. By trapping sediment, the catch basin prevents solids from clogging the storm sewer and being washed into receiving waters. Catch basins must be cleaned periodically to maintain their ability to trap sediment, and consequently their ability to prevent flooding. The removal of sediment, decaying debris, and highly polluted water from catch basins has aesthetic and water quality benefits, including reducing foul odors, reducing suspended solids, and reducing the load of oxygen-demanding substances that reach receiving waters.

APPLICABILITY

Catch basin cleaning should be performed at any facility that has an on-site storm sewer system that includes catch basins and manholes.

Although catch basin cleaning is easily implemented, it is often overlooked in an overall storm water management plan. In addition, many of the catch basin cleaning programs that have been implemented focus only on removal of debris from grate openings; full implementation of the catch basin cleaning BMP should also include removal of debris from the catch basin itself.

ADVANTAGES AND DISADVANTAGES

Catch basin cleaning is an efficient and cost-effective method for preventing the transport of sediment and pollutants to receiving water bodies. This improves both the aesthetics and the quality of the receiving water body.

Limitations associated with cleaning catch basins include:

- Catch basin debris usually contains appreciable amounts of water and offensive organic material which must be properly disposed.
- Catch basins may be difficult to clean in areas with poor accessibility and in areas with traffic congestion and parking problems.
- Cleaning is difficult during the winter when snow and ice are present.

Sediment and debris removed from catch basins can potentially be classified as hazardous waste. As a result, the materials must be disposed in a proper manner to avoid negative environmental impacts.

PERFORMANCE

Based on current data, it is not possible to quantify the water quality benefits to receiving waters resulting from catch basin cleaning. The rate at which catch basins fill with debris, as well as the total amount of material which can be removed by different frequencies of cleaning, are highly variable and cannot be readily predicted. Past studies have estimated that typical catch basins retain up to 57 percent of coarse solids and 17 percent of equivalent biological oxygen demand (BOD).

In addition, data collected as part of a Nationwide Urban Runoff Program (NURP) project in Castro Valley Creek, California, indicated that catch basins, cleaned on an average of once every year and a half, contained approximately 60 pounds of material each at the time of the cleaning.

OPERATION AND MAINTENANCE

Catch basins should be inspected at least annually to determine if they need to be cleaned. Typically, a catch basin should be cleaned if the depth of deposits is greater than or equal to one-third the depth from the basin to the invert of the lowest pipe or opening into or out of the basin. If a catch basin significantly exceeds the one-third depth standard during the annual inspection, then it should be cleaned more frequently. If woody debris or trash accumulates in a catch basin, then it should be cleaned on at least a weekly basis.

Catch basins can be cleaned either manually or by specially designed equipment. This equipment may include bucket loaders and vacuum pumps. Material removed from catch basins is usually disposed in conventional landfills. Before any materials can be disposed, it is necessary to perform a detailed chemical analysis to determine if the materials meet the EPA criteria for hazardous waste. This will help determine how the materials should be stored, treated, and disposed.

COSTS

Catch basin cleaning costs will vary depending upon the method used, the required cleaning frequency, the amount of debris removed, and debris disposal costs.

Cleaning costs for catch basins were estimated in three NURP program studies (Midwest Research Institute, 1982). These estimates are summarized in Table 1.

In communities equipped with vacuum street sweepers, a cleaning cost of $8 per basin cleaned is recommended for budgetary purposes (Southeastern Wisconsin Regional Planning Commission, 1991.) Cleaning catch basins manually costs approximately twice as much as cleaning the basins with a vacuum attached to a sweeper. Therefore, a cost estimate of $16 per catch basin cleaned may be used for manual cleaning. It should be noted that costs vary depending on local market conditions.

TABLE 1 CLEANING COST PER CATCH BASIN

Location	Method	Cost
Castro Valley, CA	Vacuum attached to street sweeper	$7.70
Salt Lake County, UT	Vacuum attached to street sweeper	$10.30
Winston-Salem, NC	Vacuum attached to street sweeper	$6.30

Source: MRI, 1982.

REFERENCES

1. Midwest Research Institute, 1982. *Collection of Economic Data from Nationwide Urban Runoff Program Projects-Final Report.* Report to U.S. Environmental Protection Agency.

2. Minnesota Pollution Control Agency, 1989. *Protecting Water Quality in Urban Areas.*

3. Southeastern Wisconsin Regional Planning Commission, 1991. *Cost of Urban Nonpoint Source Water Pollution Control Measures,* Technical Report No. 31.

4. U.S. EPA, 1983. *Final Report of the Nationwide Urban Runoff Program.* EPA 841/583109.

5. U.S. EPA, 1977. *Catch Basin Technology Overview and Assessment.* EPA-600/2-77-051.

6. Washington State Department of Ecology, 1992. *Storm Water Management Manual for Puget Sound.*

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For more information contact:

Municipal Technology Branch
U.S. EPA
Mail Code 4204
401 M St., S.W.
Washington, D.C., 20460

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Appendix F:
General Education Materials

Storm Drains are for Rain...

More than 200,000 times each month, lawns and gardens throughout LA County are sprayed with pesticides. Overwatering or rain causes pesticides on leaves and grass to flow into the storm drain and to the ocean — untreated.

Please use pesticides wisely, not before a rain, and water carefully.

...not pesticides.

1(888)CLEAN LA
www.888CleanLA.com

Pesticide Tips:

You can keep your lawn and garden green and at the same time solve the pollution problem by taking these easy steps...

- Never dispose of lawn or garden chemicals in storm drains. This is called illegal dumping. Take them to a household hazardous waste roundup. Call 1(888)CLEAN LA or visit www.888CleanLA.com to locate a roundup or collection facility near you.
- More is not better. Use pesticides sparingly. "Spot" apply, rather than "blanket" apply.
- Read labels! Use only as directed.
- Use non-toxic products for your garden and lawn whenever possible.
- If you must store pesticides, make sure they are in a sealed, water-proof container that cannot leak.
- When watering your lawn, use the least amount of water possible so it doesn't run into the street and carry pesticide chemicals with it. Don't use pesticides before a rain storm. You will not only lose the pesticide, but also will be harming the environment.

PROJECT Pollution PREVENTION

Printed on recycled paper

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- When watering your lawn, use the least amount of water possible so it doesn't run into the street and carry pesticide chemicals with it. Don't use pesticides before a rain storm. You will not only lose the pesticide, but also will be harming the environment.

PROJECT Pollution PREVENTION

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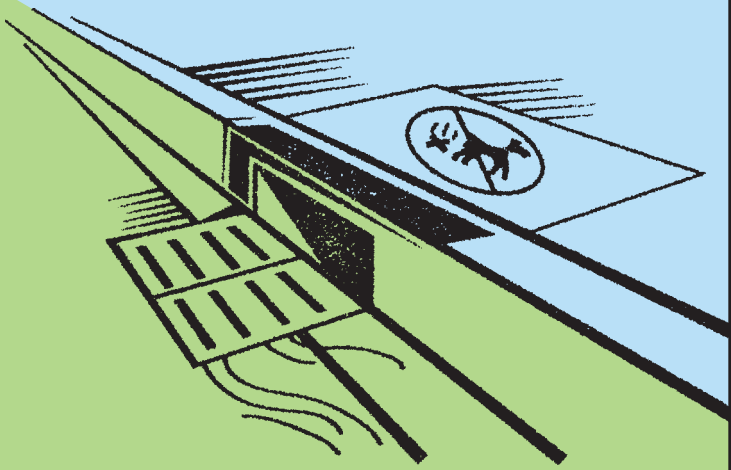
Pick Up After Your Pooch!



Storm drains are for rain…
they're not pooper scoopers.

L.A. County residents walk a dog without picking up the droppings more than **62,000** times per month.

Disease-causing dog waste washes from the ground and streets into storm drains and flows straight to the ocean — untreated.

Remember to bring a bag and clean up after your dog.

1 (888) CLEAN LA
www.888CleanLA.com

Tips for Dog Owners:

Dog owners can help solve the stormwater pollution problem by taking these easy steps…

- Clean up after your dog every single time.
- Take advantage of the complimentary waste bags offered in dispensers at local parks.
- Ensure you always have extra bags in your car so you are prepared when you travel with your dog.
- Carry extra bags when walking your dog and make them available to other pet owners who are without.
- Teach children how to properly clean up after a pet. Encourage them to throw the used bags in the nearest trash receptacle if they are away from home.
- Put a friendly message on the bulletin board at the local dog park to remind pet owners to clean up after their dogs.
- Tell friends and neighbors about the ill effects of animal waste on the environment. Encourage them to clean up after their pets as well.

PROJECT Pollution PREVENTION

Are You a Litter Bug and Don't Know It?

Take our quiz!

Have you ever...

- Dropped a cigarette butt or trash on the ground?
- Failed to pick up after your dog while out on a walk?
- Overwatered your lawn after applying fertilizers/pesticides?
- Disposed of used motor oil in the street, gutter or garbage?

If you answered **yes** to any of these actions, then **YOU ARE A LITTER BUG**!

Each of these behaviors contribute to stormwater pollution, which contaminates our ocean and waterways, kills marine life and causes beach closures.

You can become part of the solution!
To find out how, flip this card over.

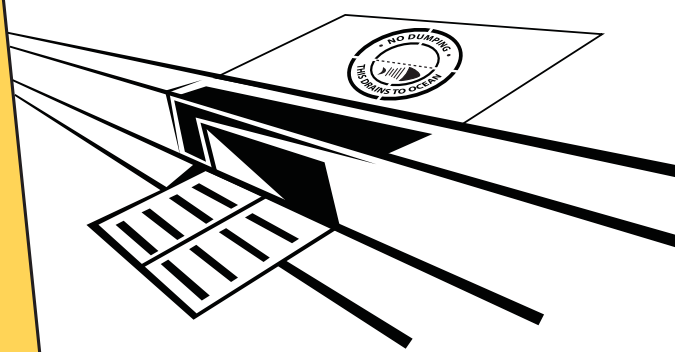
For more information, call or visit:

1 (888) CLEAN LA
www.888CleanLA.com

PROJECT Pollution PREVENTION

Follow these simple steps to prevent stormwater pollution:

- Put your garbage where it belongs — in the trash can.
- Pick up after your dog when out on a walk.
- Reduce pesticide and fertilizer use; don't overwater after application or apply if rain is forecast.
- Dispose of used motor oil at an oil recycling center or at a free Household Hazardous Waste/E-Waste collection event.



A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

Storm Drains are for Rain...

Stormdrains take runoff directly to creeks and the ocean without treatment. Pool chemicals can harm our natural creeks and waterways. Anything going into our stormdrains that isn't rainwater contributes to stormwater pollution, which contaminates our creeks and ocean, kills marine life and causes beach closures.

...not pool chemicals

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

Swimming Pool Tips

Follow these simple steps to prevent stormwater pollution...

- Make sure all chemicals are dissipated before draining a pool or spa
- Do not drain pools within 5 days of adding chemicals
- Never backwash a filter into the street or stormdrain
- Cleanup chemical spills with absorbent, don't wash it down the drain
- Dispose of leftover chemicals and paints through a licensed hazardous waste disposal provider

PROJECT Pollution PREVENTION

Storm Drains are for Rain...

More than 50% of the automotive oil sold to do-it-yourself oil changers is not recycled. There are more than 600 State-certified used oil collection centers within Los Angeles County.

Never dispose of automotive fluids, recyclable products, or household hazardous wastes into the street or gutter. Take them to your local auto repair station, recycling center or a household hazardous waste roundup.

...they're not recycling centers.

1(888)CLEAN LA
www.888CleanLA.com

Recycling Tips:

You can help keep your community clean, protect our area waterways and make the beaches safe for ocean swimmers by putting recyclable materials where they belong — at a recycling center or household hazardous waste roundup. Never throw or pour anything into the streets or gutters...

- When changing vehicle fluids – transmission, hydraulic and motor oil, brake and radiator fluid – drain them into a drip pan to avoid spills. Do not combine these fluids. Do not dispose of them in the street, gutter or in the garbage. It is illegal.
- Recycle all used vehicle fluids. Call 1(888)CLEAN LA or visit www.888CleanLA.com for the location of a center that recycles these fluids, or for the location of a local household hazardous waste Roundup.
- Other materials that should be taken to a household hazardous waste Roundup are: paint and paint-related materials, household cleaners, batteries, pesticides and fertilizers, pool chemicals, and aerosol products.
- Aluminum, glass, plastic and newspapers should be placed in your curbside recycling bin or taken to a local recycling center.

Printed on recycled paper

PROJECT Pollution PREVENTION

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- Aluminum, glass, plastic and newspapers should be placed in your curbside recycling bin or taken to a local recycling center.

Printed on recycled paper

PROJECT Pollution PREVENTION

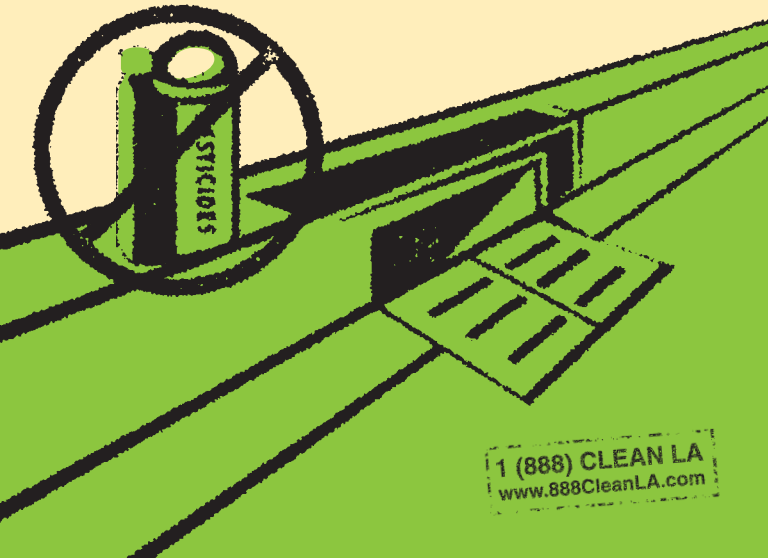
A Yard is a Terrible Thing to Waste!

Storm drains are for rain…**not yard waste.**

Residential yard waste represents about **13 percent** of the total waste generated in L.A. County.

Pesticides, fertilizer and yard waste such as leaves and mowed grass wash from the ground and streets into storm drains and flow straight to the ocean — **untreated**.

Remember to use pesticides and fertilizer wisely and pick-up yard waste.



Tips For Yard Care:

L.A. County residents can help solve the stormwater pollution problem by taking these easy steps…

- Do not over-fertilize and do not use fertilizer or pesticides near ditches, gutters or storm drains.
- Do not use fertilizer or pesticides before a rain.
- Follow the directions on the label carefully.
- Use pesticides sparingly — more is not better. "Spot" apply, rather than "blanket" apply.
- When watering your lawn, use the least amount of water possible so it doesn't run into the street carrying pesticides and other chemicals with it.
- Use non-toxic products for your garden and lawn whenever possible.
- If you must store pesticides or fertilizer, make sure they are in a sealed, water-proof container in a covered area to prevent runoff.
- Do not blow, sweep, hose or rake leaves or other yard trimmings into the street, gutter or storm drain.

PROJECT Pollution PREVENTION

A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

Storm Drains are for Rain...

More than 50% of the automotive oil sold to do-it-yourself oil changers is not recycled. There are more than 600 State-certified used oil collection centers within Los Angeles County.

Never dispose of automotive fluids in the street or gutter. Take them to your local auto parts store, gas station or repair shop, or a household hazardous waste Roundup for recycling.

1(888)CLEAN LA
www.888CleanLA.com

...not automotive fluids.

Car Care Tips:

You can keep your car running smoothly and efficiently, and at the same time help prevent stormwater pollution by taking these easy steps...

- When changing vehicle fluids — motor oil, transmission, brake and radiator fluids — drain them into separate drip pans to avoid spills. Do not combine these fluids. Do not dispose of these fluids in the street, gutter or garbage. It is illegal.
- If a spill occurs, use kitty litter, sawdust or cornmeal for cleanup. Do not hose or rinse with water.
- Recycle all used vehicle fluids. Call 1(888)CLEAN LA or visitwww.888CleanLA.com for the location of an auto parts store or gas station that recycles these fluids, or for the location of a local household hazardous waste Roundup.
- Regularly check and maintain your car to keep it running safely and efficiently. Water runoff from streets, parking lots and driveways picks up oil and grease drippings, asbestos from brake linings, zinc from tires and organic compounds and metals from spilled fuels and carries them to the ocean.

PROJECT Pollution PREVENTION

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PROJECT Pollution PREVENTION

Printed on recycled paper

Don't Paint the Town Red!

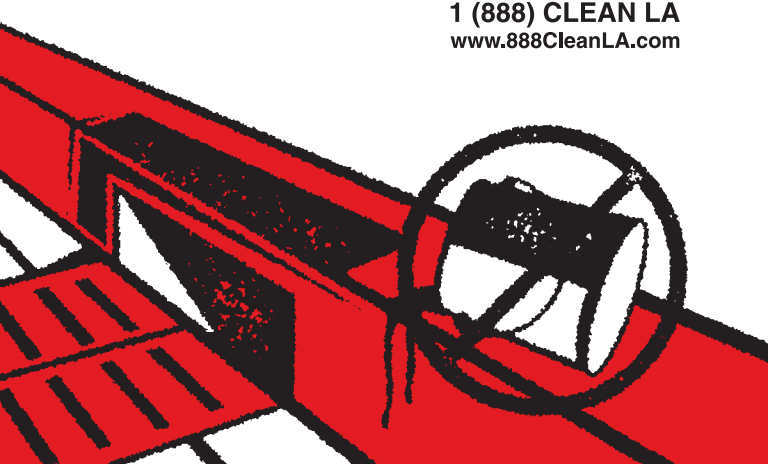
Storm drains are for rain…
they're not for paint disposal.

More than **197,000** times each month, L.A. County residents wash their dirty paint brushes under an outdoor faucet.

This dirty rinse water flows into the street, down the storm drain and straight to the ocean — **untreated**.

Remember to clean water-based paint brushes in the sink, rinse oil-based paint brushes with paint thinner, and take old paint and paint-related products to a Household Hazardous Waste/E-Waste collection event.

1 (888) CLEAN LA
www.888CleanLA.com



Tips for Paint Clean-Up:

L.A. County residents can help solve the stormwater pollution problem by taking these easy steps when working with paint and paint-related products…

- Never dispose of paint or paint-related products in the gutters or storm drains. This is called illegal dumping. Take them to a Household Hazardous Waste/E-Waste collection event. Call 1 (888) CLEAN LA or visit www.888CleanLA.com to locate an event near you.
- Buy only what you need. Reuse leftover paint for touch-ups or donate it to a local graffiti abatement program. Recycle or use excess paint.
- Clean water-based paint brushes in the sink.
- Oil-based paints should be cleaned with paint thinner. Filter and reuse paint thinner. Set the used thinner aside in a closed jar to settle-out paint particles.
- Store paints and paint-related products in rigid, durable and watertight containers with tight-fitting covers.

PROJECT Pollution PREVENTION

A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

Appendix G:
Operation and Maintenance Plan

To be provided during final engineering

Appendix H:
Geotechnical Investigation

December 7, 2021
J.N.: 3027.00

Mr. Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, California 90249

Subject: **Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California**

Dear Mr. Gardner,

Pursuant to your request, ***Albus & Associates, Inc***. is pleased to present to you our preliminary geotechnical investigation report for the proposed development at the subject site. This report presents the results of our aerial photo and literature review, subsurface exploration, laboratory testing, and engineering analyses. Conclusions relevant to the feasibility of the proposed site development and recommendations for site development are also presented herein based on the findings of our work.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS & ASSOCIATES, INC.

David E. Albus
Principal Engineer

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APPENDIX C – LIQUEFACTION ANALYSIS

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The purposes of our preliminary geotechnical investigation were to evaluate geotechnical conditions within the project area and to provide conclusions and recommendations relevant to the design and construction of the proposed improvements at the subject site. The scope of this investigation included the following:

- Review of the historical aerial photographs;
- Review of published geologic and seismic data for the site and surrounding area;
- Exploratory drilling and soil sampling;
- Laboratory testing of selected soil samples;
- Engineering analyses of data obtained from our review, exploration, and laboratory testing;
- Evaluation of site seismicity, liquefaction potential, and settlement potential; and,
- Preparation of this report

1.2 SITE LOCATION AND DESCRIPTION

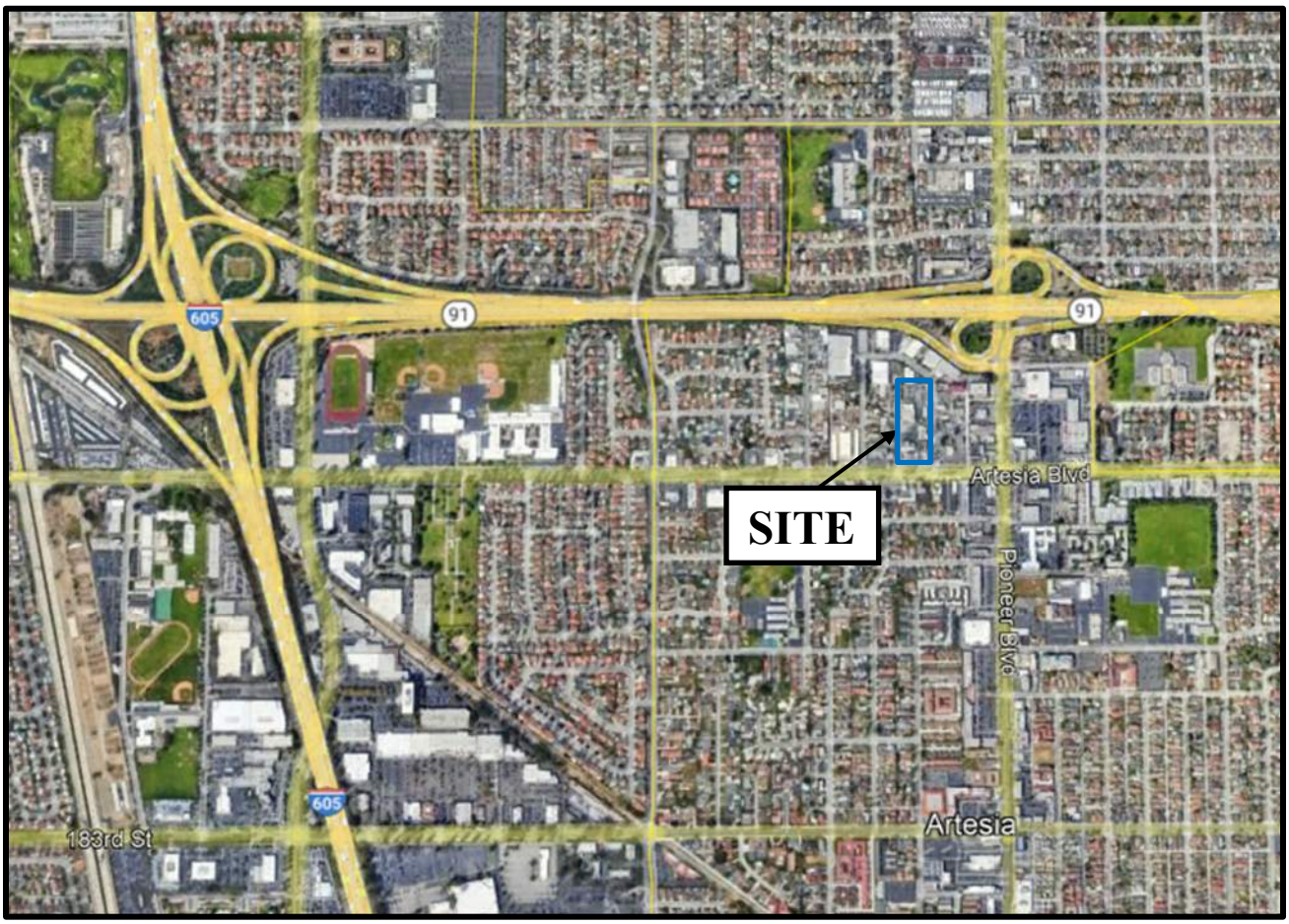
The site is located at the address of 11709 Artesia Boulevard within the city of Artesia, California. The site is bordered by Artesia Boulevard to the south, Fallon Avenue to the west, Alburtis Avenue to the east, and a commercial building and surface parking lots to the north. The location of the site and its relationship to the surrounding areas are shown in Figure 1, Site Location Map.

The site consists of approximately 3.33 acres of land with several industrial buildings, above-ground tanks, processing equipment, and above-ground piping. The remainder of the site consists of asphalt- and concrete-covered paving.

1.3 PROPOSED DEVELOPMENT

Based on the project brochure prepared by Colliers, we understand that the proposed development will likely consist of one or two new industrial buildings at-grade parking as well as associated interior driveways, parking, underground utilities, and decorative hardscape and landscape areas.

No grading or structural plans were available in preparing this report. However, we anticipate that minor rough grading of the site will be required to achieve future surface configuration. Structural loads are anticipated to typically consist of 250 kips for columns and 6 kips/ft for walls.



N

SITE LOCATION MAP

G3 Urban
11709 Artesia Boulevard,
Artesia, California

NOT TO SCALE

FIGURE 1

2.0 INVESTIGATION

2.1 RESEARCH

We have reviewed the referenced geologic publications and maps (see references). Data from these sources were utilized to develop some of the findings and conclusions presented herein.

We have also reviewed available historical aerial photographs. The aerial photos indicate that as early as 1967, the subject site was developed with industrial facilities. The site has remained relatively unchanged since 1967.

2.2 SUBSURFACE EXPLORATION

Subsurface exploration for this investigation was conducted on November 2, 2021 and consisted of drilling three (3) soil borings to depths ranging from approximately 11.5 to 51.5 feet below the existing ground surface (bgs) and advancing four (4) Cone Penetration Tests (CPTs) to a depth of 50 feet bgs. The borings were drilled using a truck-mounted, continuous flight, hollow-stem-auger drill rig. A representative of Albus & Associates, Inc. logged the exploratory borings. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented in the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations and CPT soundings completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed, and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory borings for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

2.3 LABORATORY TESTING

Selected samples obtained from our subsurface exploration were tested in our soil laboratory. Tests consisted of maximum dry density and optimum moisture content, in-situ moisture content and dry density, expansion index, soluble sulfate content, direct shear, consolidation/collapse potential, grain-size distribution analysis, percent passing No. 200 sieve, direct shear strength, corrosivity testing (pH, chloride, and resistivity), and Atterberg limits. A description of laboratory test criteria and test results are presented in Appendix B.

3.0 SUBSURFACE CONDITIONS

3.1 SOIL CONDITIONS

Descriptions of the earth materials encountered during our investigation are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the subject site consisted of approximately 2 feet of artificial fill over alluvial soils. The artificial fill is predominately comprised of grayish brown sandy silt and silty sand. These fill materials typically were observed to be damp to moist and medium dense.

Underlying the artificial fills are native soils consisting of young alluvial fan deposits (Qyf_a). The alluvial fan deposit materials were encountered to the maximum depth explored of 51.5 feet and are comprised of grayish brown to light gray, interlayered silty sand and sand that are damp to wet and loose to very dense. Occasional lenses and layers of sandy silt are also present that are generally very moist to wet and firm to very stiff.

3.2 GROUNDWATER

Groundwater was encountered during this firm's subsurface exploration at a depth of 14 feet. The CDMG Special Report 019 suggests that historic high groundwater for the subject site is below 10 feet.

3.3 FAULTING

Based on our review of the referenced publications and seismic data, no active faults are known to project through or immediately adjacent to the subject sites and the site does not lie within an "Earthquake Fault Zone" as defined by the State of California in Earthquake Fault Zoning Act. Table 3.1 summarizes the known seismically active faults within 10 miles of the sites based on the 2008 USGS National Seismic Hazard Maps.

TABLE 3.1
Summary of Faults

Name	Dist. (miles)	Slip Rate (mm/yr.)	Preferred Dip (degrees)	Slip Sense	Rupture Top (km)	Fault Length (km)
Puente Hills (Coyote Hills)	2.67	0.7	26	thrust	2.8	17
Puente Hills (Santa Fe Springs)	2.82	0.7	29	thrust	2.8	11
Newport Inglewood Connected alt 2	6.87	1.3	90	strike slip	0	208
Newport-Inglewood, alt 1	6.95	1	88	strike slip	0	65
Newport Inglewood Connected alt 1	6.95	1.3	89	strike slip	0	208
Puente Hills (LA)	7.01	0.7	27	thrust	2.1	22
Elsinore;W+GI+T+J+CM	8.40	n/a	84	strike slip	0	241
Elsinore;W+GI	8.40	n/a	81	strike slip	0	83
Elsinore;W+GI+T	8.40	n/a	84	strike slip	0	124
Elsinore;W+GI+T+J	8.40	n/a	84	strike slip	0	199
Elsinore;W	8.40	2.5	75	strike slip	0	46

4.0 ANALYSES

4.1 SEISMICITY

2019 CBC requires seismic parameters in accordance with ASCE 7-16. Unless noted otherwise, all section numbers cited in the following refer to the sections in ASCE 7-16.

Per Section 20.3 the project site was designated as Site Class D. We used the OSHPD seismic hazard tool to obtain the basic mapped acceleration parameters, including short periods (S_S) and 1-second period (S_1) MCE_R Spectral Response Accelerations. Section 11.4.8 requires site-specific ground hazard analysis for structures on Site Class E with S_S greater than or equal to 1.0 or Site Class D or E with S_1 greater than or equal to 0.2. Based on the mapped values of S_S and S_1 the project site falls within this category, requiring site-specific hazard analysis in accordance with Section 21.2.

However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient Cs is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." Assuming this exception is met for this project, a ground motion hazard analysis is not required and mapped seismic values can be used. Should this exception not be met, a ground motion hazard analysis is required to determine the Design response spectra for the proposed structures at this site. Both mapped and site-specific seismic design parameters are provided in this report, as presented in Section 6.2. Details of a ground motion hazard analysis are explained below.

According to Section 21.2.3 (Supplement 1), the site-specific Risk Targeted Maximum Considered Earthquake (MCER) spectral response acceleration at any period is the lesser of the probabilistic and the deterministic response accelerations, subject to the exception specified in the same section. The probabilistic response spectrum was developed using the computer program OpenSHA (Field et al., 2013), which implements Method 1 as described in Section 21.2.1.1. Fault Models 3.1 and 3.2 from the Third Uniform California Earthquake Rupture Forecast (UCERF3) were used as the earthquake rupture forecast models for the PSHA. In addition to known fault sources, background seismicity was also included in the PSHA. The ground motion Prediction Equations (GMPEs) selected for use in this analysis are those developed for the Pacific Earthquake Engineering Research Center (PEER) Next Generation Attenuation (NGA) West 2 project. Four GMPEs - Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014), and Chiou and Youngs (2014) were used to perform the analysis.

In accordance with Section 21.2.2 (Supplement 1), the deterministic spectral response acceleration at each period was calculated as the 84th percentile, 5% damped response acceleration, using NGA-West2 GMPE Worksheet. For this, the information from at least three causative faults with the greatest contribution per deaggregation analysis were used and the larger acceleration spectrum among these was selected as the deterministic response spectrum. The deterministic spectrum was adjusted per requirements in Section 21.2.2 (Supplement 1) where applicable. Both probabilistic and deterministic spectra were subjected to the maximum direction scale factors specified in Section 21.2 to produce the maximum acceleration spectra.

Design response spectrum was developed by subjecting the site-specific MCE_R response spectrum to the provisions outlined in Section 21.3. This process included comparison with 80% code-based

design spectrum determined in accordance with Section 11.4.6. The short period and long period site coefficients (Fa and Fv, respectively) were determined per Section 21.3 in conjunction with Table 11.4-1. Site-specific design acceleration parameters (S_{MS}, S_{M1}, S_{DS}, and S_{D1}) were calculated according to Section 21.4.

Per Section 11.2 (definitions on Page 79 of ASCE7-16) for evaluation of liquefaction, lateral spreading, seismic settlements, and other soil-related issues, Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration PGA_M shall be used. The site-specific PGA_M is calculated per Section 21.5.3, as the lesser of the probabilistic PGA_M (Section 21.5.1) and deterministic PGA_M (Section 21.5.2), but no less than 80% site modified peak ground acceleration, PGA_M, obtained from OSHPD seismic hazard tool. From our analyses, we obtain a PGA_M of 0.662g.

4.2 STATIC SETTLEMENT

Analyses were performed to estimate the maximum static settlement due to the anticipated maximum foundation loads. The analyses were based on the results of subsurface exploration and laboratory testing conducted at the site. Settlements were calculated based on the elastic method using the sampler blow counts to estimate the elastic property of the soils. Stresses induced by the footings were based on a Boussinesq distribution.

Settlement of the proposed buildings will depend on the magnitude of the structural loads. Assuming a column load of 250 kips, bearing pressure of 4,000 psf, and footing depth of 2 foot, total static settlement of a column footing is estimated to be 0.9 inches. A continuous footing that supports a load of 6 kips/ft, bearing pressure of 3,000 psf, 2 feet wide, and 2 feet deep is estimated to have a total static settlement of 0.5 inches.

4.3 LIQUEFACTION

Engineering research of soil liquefaction potential (Youd et al., 2001) indicates that generally three basic factors must exist concurrently in order for liquefaction to occur. These factors include:

- A source of ground shaking, such as an earthquake, capable of generating soil mass distortions.
- A relatively loose silty and/or sandy soil.
- A relative shallow groundwater table (within approximately 50 feet below ground surface) or completely saturated soil conditions that will allow positive pore pressure generation.

The site is located within a State-designated zone of potentially liquefiable soils. As a result, we conservatively have evaluated the potential for liquefaction.

The liquefaction susceptibility of the onsite soils was evaluated by analyzing the potential concurrent occurrence of the above-mentioned three basic factors. The liquefaction evaluation for the site was completed under the guidance of Special Publication 117A: Guidelines for Evaluating and Mitigating Seismic Hazards in California (CDMG, 2008).

Our liquefaction analyses were based on the field test data results from our CPT data. The liquefaction analyses were performed utilizing the CLiq software by GeoLogismiki. Among the methods available in this program for analysis of liquefaction potential, Robertson (NCEER 2001, 2009) was used for

the current project. The seismic event was defined by peak ground acceleration PGA of 0.73 and mean moment magnitude of 6.83. The historic-high groundwater level, which is used as the design level for evaluation of liquefaction potential, is taken at a depth of 10 feet below ground surface, as discussed in Section 3.2.

Based on our analyses, several sublayers below the assumed shallowest groundwater level of 10 feet have a factor of safety less than 1.3 and are therefore considered prone to liquefaction during the design earthquake event. Liquefaction analyses are provided in Appendix C.

4.4 SEISMIC-INDUCED SETTLEMENT

To quantify the consequences of liquefaction at the site, seismic-induced settlement has been evaluated using the four CPT soundings. Robertson (NCEER 2001 and 2009) method was used for this evaluation.

Analyses were performed to evaluate the potential for seismic settlement from saturated liquefied and unsaturated dry soils. The calculated seismic-induced settlements of saturated soil using various methods for CPT analysis are ranging from 3.7 to 5.3 inches. Liquefaction induced-settlement analyses are provided in Appendix C.

Seismic-induced settlement can occur both above and below the groundwater table during a strong seismic event. We have estimated the dry seismic settlement using the Robertson and Shao (2010) Method. The total seismic dry settlement we calculated ranges from 0 to 0.2 inches.

5.0 CONCLUSIONS

5.1 FEASIBILITY OF PROPOSED DEVELOPMENT

From a geotechnical point of view, the proposed site development is considered feasible provided the recommendations presented in this report are incorporated into the design and construction of the project. Furthermore, it is also our opinion that the proposed development will not adversely impact the stability of adjoining properties.

5.2 GEOLOGIC HAZARDS

5.2.1 Ground Rupture

No known active faults are known to project through the subject sites nor do the sites lie within the boundaries of an “Earthquake Fault Zone” as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. The closest known active fault is the Puente Hills (Coyote Hills) fault located approximately 2.7 miles to the northeast. Therefore, potential for ground rupture due to an earthquake beneath the sites is considered low.

5.2.2 Ground Shaking

The site is situated in a seismically active area that has historically been affected by generally moderate to occasionally high levels of ground motion. The site lies in relatively close proximity to several seismically active faults; therefore, during the life of the proposed improvements, the property will

probably experience similar moderate to occasionally high ground shaking from these fault zones, as well as some background shaking from other seismically active areas of the Southern California region. Design and construction in accordance with the current California Building Code (CBC) requirements are anticipated to address the issues related to potential ground shaking.

5.2.3 Landsliding

Geologic hazards associated with landsliding are not anticipated at the site since the site is relatively level.

5.2.4 Liquefaction

Our analyses indicate liquefaction could in soils located below a depth of 10 feet if groundwater were to rise to shallowest historic levels concurrent with a strong ground motion. Liquefaction could lead to a total seismic settlement (saturated and dry) of the ground surface of up to 5.3 inches due to seismic consolidation during liquefaction. The differential settlement due to seismic settlement would likely be on the order of ½ of the total seismic settlement or approximately 2.7 inches over 30 feet. Lateral spreading is not a significant risk at the site in consideration of the relatively flat site topography and lack of an nearby channel face or slope.

Based on the State of California Special Publication (SP) 117A, the seismic-induced settlement at the site does not fall within the Level of Liquefaction Hazard of "Large-scale Displacements." "Large scale Displacements" are defined as those that ***exceed*** 1-3 feet horizontally and 4-6 inches vertically. Therefore, the Level of Liquefaction Hazard is classified as a "Localized Failure." One of the suitable mitigation alternatives presented in the SP 117A for Localized Failures is the use of reinforced shallow foundations and improved structural design to withstand predicted vertical and lateral ground displacements.

The SP 117A also stated that hazards from liquefaction should be mitigated to the extent required to reduce seismic risk to "acceptable levels." The acceptable level of risk means, "that level that provides reasonable protection of the public safety" [California Code of Regulations Title 14, Section 3721 (a)]. The use of well-reinforced foundations, such as post-tensioned slabs, grade beams with structural slabs, or mat foundations have been proven to adequately provide basal support for similar structures during comparable liquefaction events. Specific recommendations to mitigate risks associated with liquefaction are provided in Section 6.3.

5.3 STATIC SETTLEMENT

As discussed in Section 4.2, analyses were performed to evaluate potential for static settlement of the underlying alluvium. Provided site grading is performed in accordance with the recommendations provided herein and based on the anticipated foundation loads, total and differential static settlement is not anticipated to exceed 1 inch and ½-inch over 30 feet, respectively, for the proposed commercial buildings. The estimated magnitudes of static settlements are considered within tolerable limits for the proposed structure.

5.4 EXCAVATION AND MATERIAL CHARACTERISTICS

Onsite earth materials are anticipated to be relatively easy to excavate with conventional heavy earthmoving equipment. The site earth materials are generally considered suitable for reuse as fill provided, they are cleared on deleterious debris and oversized rocks (greater than 4 inches in greatest dimension). Site materials are generally near the optimum moisture content. As such, fill soils derived from onsite soils will likely require the addition of nominal amounts of water and mixing in preparation for reuse as compacted fill.

Temporary construction slopes will be required to complete removal of unsuitable soils and for construction of underground utilities. Such excavations will require laybacks where they are surcharged or where they exceed 4 feet in height. Specific recommendations are provided in Section 6.1.8.

If encountered, portions of concrete debris and asphalt can likely be reduced in size (4 inches minus) and incorporated within fill soils during earthwork operations.

If onsite disposal systems, clarifiers, and other underground improvements are present beneath the site, these improvements will require proper abandonment or removal per the City guidelines.

5.5 SHRINKAGE AND SUBSIDENCE

Volumetric changes in earth quantities will occur when excavated onsite soil materials are replaced as properly compacted fill. We estimate that the near surface soils will shrink about 5 to 10 percent when removed and replaced as compacted fill. Subsidence due to reprocessing of removal bottoms is anticipated to be about 0.05 feet. The estimates of shrinkage and subsidence are intended as an aid for project engineers in determining earthwork quantities. However, these estimates should be used with some caution since they are not absolute values. Contingencies should be made for balancing earthwork quantities based on actual shrinkage and subsidence that occurs during the grading process.

5.6 SOIL EXPANSION

Based on our laboratory test results and the USCS visual manual classification, the near-surface soils are generally anticipated to possess a **Low** expansion potential. Additional testing for soil expansion will be required prior to construction of foundations and other concrete work to confirm these conditions.

6.0 RECOMMENDATIONS

6.1 EARTHWORK

6.1.1 General Earthwork and Grading Specifications

All earthwork and grading should be performed in accordance with applicable requirements of Cal/OSHA, applicable specifications of the Grading Codes of the City of Artesia, California in addition to the recommendations presented herein.

6.1.2 Pre-Grade Meeting and Geotechnical Observation

Prior to commencement of grading, we recommend a meeting be held between the developer, City Inspector, grading contractor, civil engineer, and geotechnical consultant to discuss the proposed grading and construction logistics. We also recommend a geotechnical consultant be retained to provide soil engineering and engineering geologic services during site grading and foundation construction. This is to observe compliance with the design specifications and recommendations and to allow for design changes in the event that subsurface conditions differ from those anticipated. If conditions are encountered that appear to be different than those indicated in this report, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

6.1.3 Site Clearing

Areas to be graded should be cleared of vegetation, existing asphalt and concrete, underground improvements to be abandoned and deleterious materials. Existing underground utility lines within the project area that will be protected in place and that fall within a 1 to 1 (H:V) plane projected down from the edges of footings may be subject to surcharge loads. Under such conditions, this office should be made aware of these conditions for evaluation of potential surcharging. Supplemental recommendations may be required to protect such improvements in place.

The project geotechnical consultant should be notified at the appropriate times to provide observation services during clearing operations to verify compliance with the above recommendations. Voids created by clearing and excavation should be left open for observation by the geotechnical consultant. Should any unusual soil conditions or subsurface structures be encountered during site clearing or grading that are not described or anticipated herein, these conditions should be brought to the immediate attention of the project geotechnical consultant for corrective recommendations as needed.

Temporary construction equipment (office trailers, power poles, etc.) should be positioned to allow adequate room for clearing and recommended ground preparation to be performed for proposed structures, pavements, and hardscapes.

6.1.4 Ground Preparation

In general, the artificial fill is considered unsuitable for support of the proposed development. Based on our exploratory borings, the depth of the artificial fill material is anticipated to be about 2 feet in depth. However, deeper fills are expected in the areas of the previous site improvements (i.e. utility lines) and where the current buildings and structures are located. All artificial fill soils should be removed to expose the underlying alluvial soils within the limits of the structures (buildings and site walls) and paving.

Removal of unsuitable materials should extend laterally beyond the limits of the proposed buildings a distance equal to the depth of removal (i.e. 1:1 projection) but not less than 5 feet. Removals within pavements and footings for site walls may be limited to the edge of foundations or pavement where lateral restrictions to removals are present such as property lines.

All removal and overexcavations should be evaluated by the geotechnical consultant during grading to confirm the exposed conditions are as anticipated and to provide supplemental recommendations if required.

6.1.5 Scarification

Prior to placement of compacted fill, the exposed ground should be scarified to a depth of 6 to 8 inches, moisture conditioned to at least 110 percent of the optimum moisture content, then compacted to at least 90 percent of the laboratory standard. The laboratory standard for maximum dry density and optimum moisture content for each soil type should be determined in accordance with ASTM D 1557.

6.1.6 Fill Placement

Materials excavated from the site may be reused as fill provided, they are free of deleterious materials and particles greater than 4 inches in maximum dimension (oversized materials). Asphaltic and concrete debris generated during site demolition or encountered within the existing fill can be incorporated within new fill soils during earthwork operations provided they are reduced to no more than 4 inches in maximum dimension. Such materials should be mixed thoroughly with fill soils to prevent nesting. All fill should be placed in lifts no greater than 8 inches in loose thickness, moisture conditioned to at least 110% of optimum moisture content, then compacted in place to at least 90 percent of the laboratory standard. Each lift should be treated in a similar manner. Subsequent lifts should not be placed until the project geotechnical consultant has approved the preceding lift.

6.1.7 Import Materials

If import materials are required to achieve the proposed finish grades, the proposed import soils should have an Expansion Index (EI, ASTM D 4829) less than 20 and possess negligible soluble sulfate concentrations. Import sources should be indicated to the geotechnical consultant prior to hauling the materials to the site so that appropriate testing and evaluation of the fill materials can be performed in advance.

6.1.8 Temporary Excavations

Temporary construction slopes in site materials that are not surcharged may be cut vertically up to a height of 4 feet. Temporary excavations greater than 4 feet but no greater than 10 feet in height that are not surcharged should be laid back at a maximum gradient of 1:1 (H:V) or properly shored.

Excavations should not be left open for prolonged periods of time. The project geotechnical consultant should observe all temporary cuts to confirm anticipated conditions and to provide alternate recommendations if conditions dictate. All excavations should conform to the requirements of Cal/OSHA. The current removal requirement is 12 inches below existing grade and not expected to undermine the existing foundations. However, if deeper removals are required during grading and where insufficient room exists for recommended lay back cuts, shoring or slot cutting methods may be required. Additional recommendations for such conditions can be provided at that time based on the observed materials and subsequent lab testing.

6.2 SEISMIC DESIGN PARAMETERS

6.2.1 Mapped Seismic Design Parameters

For design of the project in accordance with Chapter 16 of the 2019 CBC, the mapped seismic parameters may be taken as presented in the tables below.

TABLE 6.1
2019 CBC Mapped Seismic Design Parameters

Parameter	Value
Site Class	D
Mapped MCE_R Spectral Response Acceleration, short periods, S_S	1.552
Mapped MCE_R Spectral Response Acceleration, at 1-sec. period, S_1	0.552
Site Coefficient, F_a	1.0
Site Coefficient, F_v	1.7445*
Adjusted MCE_R Spectral Response Acceleration, short periods, S_{MS}	1.552
Adjusted MCE_R Spectral Response Acceleration, at 1-sec. period, S_{M1}	0.968
Design Spectral Response Acceleration, short periods, S_{DS}	1.034
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	0.645
Long-Period Transition Period, T_L (sec.)	8
Seismic Design Category for Risk Categories I-IV	II

MCE_R = Risk-Targeted Maximum Considered Earthquake

*According to Section 11.4.8 in ASCE 7-16, "a ground motion hazard analysis shall be performed in accordance with Section 21.2 for the following structures on Site Class D and E sites with S_1 greater than or equal to 0.2." However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient C_s is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." The F_v value of 1.7 above from Table 11.4-2 assumes that this exception is met and that a ground motion hazard analysis is not required. Should this exception not be met, the site-specific seismic design parameters provided in the next section should be used.

6.2.2 Site-Specific Seismic Design Parameters

In addition to the Code Spectra parameters presented in Table 6.1, we have performed a site-specific ground motion hazard analysis in accordance with Chapter 21 of ASCE 7-16 to obtain site-specific seismic design acceleration parameters, the risk-targeted maximum considered earthquake response spectrum, and the design earthquake response spectrum. The site-specific seismic design parameters are presented below.

TABLE 6.2
2019 CBC Site Specific Seismic Design Parameters

Parameter	Value
Site Class	D
Site Coefficient, F_a	1.0
Site Coefficient, F_v	2.5
Adjusted MCE Spectral Response Acceleration, short periods, S_{MS}	1.833
Adjusted MCE Spectral Response Acceleration, at 1-sec. period, S_{M1}	1.822
Design Spectral Response Acceleration, short periods, S_{DS}	1.222
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	1.214

MCE = Maximum Considered Earthquake

6.3 CONVENTIONAL FOUNDATION DESIGN

6.3.1 General

As discussed in Section 5.2.4, the site is prone to liquefaction. To mitigate this condition, we recommend structures be supported by a foundation system consisting of a mat, post-tensioned slab, or spread footings tied together with a structural slab with grade beams. For this project, we have assumed the foundation system will utilize spread footings tied together with a structural slab with grade beams. Specific recommendations for this system is provided in the following sections. Recommendations for other systems can be provided upon request.

The following design parameters are provided to assist the project structural engineer to design foundations for structures at the site. These design parameters are based on typical site materials encountered during subsurface exploration and are provided for preliminary design and estimating purposes. The project geotechnical consultant should provide final design parameters following observation and testing of site materials during grading. Depending on actual materials encountered during site grading, the design parameters presented herein may require modification.

6.3.2 Soil Expansion

The recommendations presented herein are based on soils with a **Low** expansion potential. Following site grading, additional testing of site soils should be performed by the project geotechnical consultant to confirm the basis of these recommendations. If site soils with higher expansion potentials are encountered or imported to the site, the recommendations contained herein may require modification.

6.3.3 Static and Seismic Settlement

Based on anticipated foundation loads and provided that the recommendations for ground preparation in this report are followed, total and differential static settlement are anticipated to be less than 1 inch and ½ inch over 30 feet, respectively. These values are considered within tolerable limits of proposed structures and site improvements. Design of the structures should consider these maximum anticipated settlements.

6.3.4 Allowable Bearing Value

Foundations may utilize a bearing value of 2,000 pounds per square foot (psf) for continuous and pad footings a minimum width of 12 inches and founded at a minimum depth of 12 inches below the lowest adjacent grade. This value may be increased by 260 psf and 700 psf for each additional foot in width and depth, respectively, up to a maximum value of 4,000 psf. Recommended allowable bearing values include both dead and live loads may be increased by one-third for wind and seismic forces.

6.3.5 Lateral Resistance

For foundations that are founded in the native alluvial soils or compacted fill, a passive earth pressure of 300 pounds per square foot per foot of depth (psf/ft) up to a maximum value of 1,500 pounds per square foot (psf) may be used to determine lateral bearing for footings. This value may be increased by one-third when designing for wind and seismic forces. A coefficient of friction of 0.33 times the dead load forces may also be used between concrete and the supporting soils to determine lateral sliding resistance. No increase in the coefficient of friction should be used when designing for wind and seismic forces.

The above values are based on footings placed directly against compacted fill or competent native soils. In the case where footing sides are formed, all backfill against the footings should be compacted to at least 90 percent of the laboratory standard.

6.3.6 Footing Dimensions and Reinforcement

Exterior and interior pad footings should be founded at a minimum depth of 12 inches below the lowest adjacent grade and have a minimum width of 12 inches. All continuous footings should have a minimum depth of 12 inches below lowest adjacent grade and a minimum width of 12 inches.

All continuous footings should be reinforced with a minimum of four No. 5 bars, two top and two bottom. The structural engineer may require different reinforcement and should dictate if greater than the recommendations provided herein.

All isolated pad footings should be tied in both directions with a concrete grade beam to the nearest foundation. Grade beams should be at least 12 inches wide by 12 inches deep and be reinforced with four No. 5 bars, two top and two bottom. Reinforcing for the grade beams should tie into the adjacent footings.

6.3.7 Slabs on Grade

Interior concrete slabs constructed on grade should be a minimum 6 inches thick and should be reinforced with No. 3 bars spaced 18 inches each way. Care should be taken to ensure the placement of reinforcement at mid-slab height. The structural engineer may recommend a greater slab thickness and reinforcement based on proposed use and loading conditions and such recommendations should govern if greater than the recommendations presented herein. No. 4 tie bars should be provided between the slab and connecting grade beams at a spacing of 18 inches.

For consideration of point loading that may occur on the slab, a subgrade of modulus, K_{V1}, of 100 pci may be used.

Concrete floor slabs in areas to receive carpet, tile, or other moisture sensitive coverings should be underlain with a moisture vapor barrier 10-mil Visqueen, or equal. The membrane should be properly lapped, sealed, and protected with at least 2 inches of sand having an SE of 30 or more. This vapor barrier system is anticipated to be suitable for most flooring finishes that can accommodate some vapor emissions. However, this system may emit more than 4 pounds of water per 1000 sq. ft. and therefore, may not be suitable for all flooring finishes. Additional steps should be taken if such vapor emission levels are too high for anticipated flooring finishes.

Special consideration should be given to slabs in areas to receive ceramic tile or other rigid, crack-sensitive floor coverings. Design and construction of such areas should mitigate hairline cracking as recommended by the structural engineer.

Block-outs should be provided around interior columns to permit relative movement and mitigate distress to the floor slabs due to differential settlement that will occur between column footings and adjacent floor subgrade soils as loads are applied.

Prior to placing concrete, subgrade soils below slab-on-grade areas should be thoroughly moistened to provide a moisture content that is equal to or greater than 110% of the optimum moisture content to a depth of 12 inches.

6.3.8 Foundation Observations

Foundation excavation should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended above. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4 RETAINING AND SCREENING WALLS

6.4.1 General

The following preliminary design and construction recommendations are provided for general retaining and screen walls supported by engineered compacted fill or competent native soils. Final wall designs specific to the site development should be provided for review once completed. The structural engineer and architect should provide appropriate recommendations for sealing at all joints and applying moisture-proofing material on the back of the walls.

6.4.2 Allowable Bearing Value and Lateral Resistance

Design of retaining and screen walls may utilize the bearing and lateral resistance values provided in Sections 6.3.4 and **Error! Reference source not found.**.

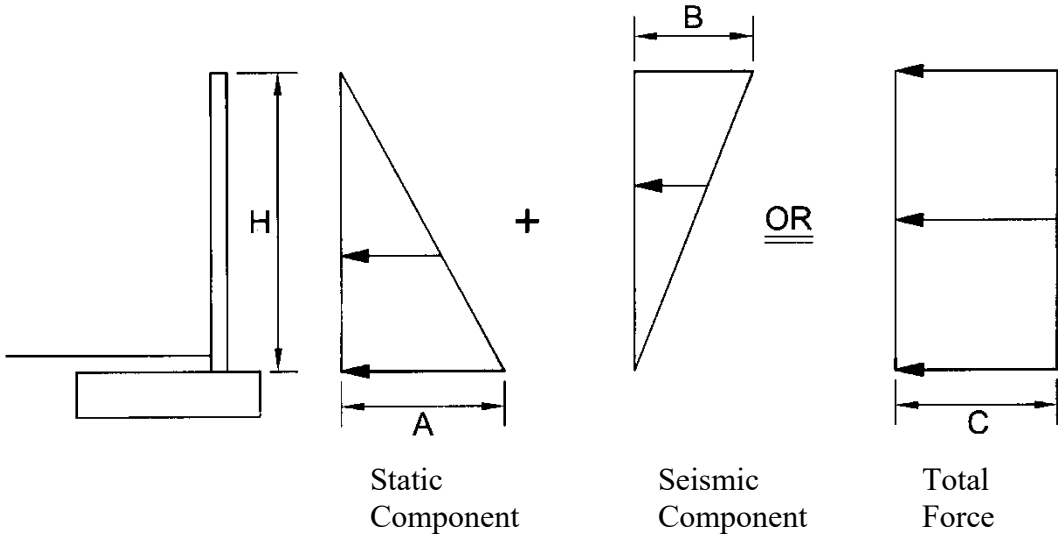
6.4.3 Active Earth Pressures

Static and seismic earth pressures for level and 2:1 (H:V) backfill conditions are provided in Table 6.3. Seismic earth pressures provided herein are based on the method provided by Seed & Whitman (1970) using a peak ground acceleration (PGA) of 0.42 g for 10% probability of exceedance in 50 years. As indicated in Section 1803.5.12 of the 2019 CBC, retaining walls supporting 10 feet of

backfill or less are not required to be designed for seismic earth pressures. The values provided in the following table do not consider hydrostatic pressure. Retaining walls should also be designed to support adjacent surcharge loads imposed by other nearby footings or traffic loads in addition to the earth pressure.

TABLE 6.3

SEISMIC EARTH PRESSURES
Pressure Diagram



Pressure Values
Walls Up To 10 Feet High

Value	Backfill Condition	
	Level	2H:1V Slope
A	33H	54H
B	12.5H	12.5H
C	23H	33.5H

Note:
H is in feet and resulting pressure is in psf. Design may utilize either the sum of the static component and the seismic component force diagrams or the total force diagram above. SEAOSC has suggested using a load factor of 1.7 for the static component and 1.0 for the seismic component. The actual load factors should be determined by the structural engineer.

6.4.4 Drainage and Moisture-Proofing

Retaining walls should be constructed with a perforated pipe and gravel subdrain to prevent entrapment of water in the backfill. The perforated pipe should consist of 4-inch-diameter, ABS SDR-

35 or PVC Schedule 40 with the perforations laid down. The pipe should be embedded in ¾- to 1½-inch open-graded gravel wrapped in filter fabric. The gravel should be at least one foot wide and extend at least one foot up the wall above the footing and drainage outlet. Drainage gravel and piping should not be placed below outlets and weepholes. Filter fabric should consist of Mirafi 140N, or equal. Outlet pipes should be directed to positive drainage devices.

The use of weepholes may be considered in locations where aesthetic issues from potential nuisance water are not a concern. Weepholes should be 2 inches in diameter and provided at least every 6 feet on center. Where weepholes are used, perforated pipe may be omitted from the gravel subdrain.

Retaining walls supporting backfill should also be coated with a moisture-proofing compound or covered with such material to inhibit infiltration of moisture through the walls. Moisture-proofing material should cover any portion of the back of wall that will be in contact with soil and should lap over and onto the top of footing. A drainage panel should be provided between the soil backfill and water proofing. The panel should extend from the top of the backdrain gravel up to within 12 inches of finish grade. The top of footing should be finished smooth with a trowel where moisture proofing-materials are applied to inhibit the infiltration of water through the wall. The project structural engineer should provide specific recommendations for moisture-proofing, water stops, and joint details.

6.4.5 Footing Reinforcement and Wall Jointing

All continuous footings should be reinforced with a minimum of two No. 4 bars, one top and one bottom. Walls should be provided with cold joints spaced no more than 20 feet apart. Wall finishes and capping materials should not extend across the cold joint. The structural engineer may require different reinforcement or jointing and should dictate if greater than the recommendations provided herein. Where recommended removals are limited due to space restrictions, greater reinforcement and closer jointing may be recommended. Specific recommendations should be provided by the geotechnical consultant during grading based on as-built conditions exposed in the field.

6.4.6 Foundation Observations

Footing excavations should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended herein. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.5 EXTERIOR FLATWORK

Exterior flatwork should be a minimum 4 inches thick. Cold joints or saw cuts should be provided at least every 7 feet in each direction. Flatwork having a minimum dimension more than 7 feet should be reinforced with No. 3 bars spaced 18 inches center to center each way or 6-inch by 6-inch, W4 by W4 welded wire mesh. Special jointing detail should be provided in areas of block-outs, notches, or other irregularities to avoid cracking at points of high stress. Subgrade soils below flatwork should be thoroughly moistened to at least 110 percent of the optimum moisture content to a depth of 12 inches. Moistening should be accomplished by lightly spraying the area over a period of a few days just prior to pouring concrete. The geotechnical consultant should observe and verify the density and moisture

content of subgrade soils prior to pouring concrete to ensure that the required compaction and pre-moistening recommendations have been met.

Drainage from flatwork areas should be directed to local area drains and/or other appropriate collection devices designed to carry runoff water to the street or other approved drainage structures. The concrete flatwork should also be sloped at a minimum gradient of 0.5 percent away from building foundations and retaining walls.

6.6 CONCRETE MIX DESIGN

Laboratory testing of near-surface soils for soluble sulfate content indicates soluble sulfate concentration of 0.002%. We recommend following the procedures provided in ACI 318, Section 19.3.1, Table 19.3.1.1 for **S0** sulfate exposure. Upon completion of rough grading, an evaluation of as-graded conditions and further laboratory testing should be completed for the site to confirm or modify the recommendations provided in this section.

6.7 CORROSION

Results of preliminary testing of soils for pH, chloride, and minimum resistivity indicate the site is potentially **Highly Corrosive** to metals that are in contact or close proximity to onsite soils. As such, specific recommendations should be obtained from a corrosion specialist if construction will include metals that will be near or in direct contact with site soils.

6.8 PRELIMINARY PAVEMENT DESIGN

6.8.1 Preliminary Pavement Structural Sections

Based on the soil conditions present at the site and an estimated traffic index, preliminary pavement sections are provided in the table below. A laboratory tested "R-value" of 33 was used for the near-surface soil in this preliminary pavement design. The sections provided below are for planning purposes only and should be re-evaluated subsequent to site grading. Final pavement sections should be based on actual R-value testing of in-place soils and analysis of anticipated traffic.

6.8.2 Subgrade Preparation

Prior to placement of paving elements, subgrade soils should be scarified 6 inches, moisture-conditioned to above the optimum moisture content then compacted to at least 90 percent of the maximum dry density determined in accordance with ASTM D1557. Areas observed to pump or yield under vehicle traffic should be removed and replaced with firm and unyielding engineered compacted soil or aggregate base materials.

6.8.3 Aggregate Base

Aggregate base materials should be Crushed Aggregate Base or Crushed Miscellaneous Base conforming to Section 200-2 of the Standard Specification for Public Works Construction (Greenbook) or Class 2 Aggregate Base conforming to the Caltrans' Standard Specifications. The materials should be moisture conditioned to slightly over the optimum moisture content then compacted to at least 95 percent of ASTM D 1557.

TABLE 6.4
PRELIMINARY PAVEMENT STRUCTURAL SECTIONS

Location	Traffic Index	AC (inches)	PCC (inches)	AB (inches)
Truck Drive Areas	7.5	4.0	--	11.0
		--	8.0	--
Parking Drives	5.0	3.0	--	5.0
		--	5.0	--
Parking Stalls	--	3.0	--	5.0

6.8.4 Asphaltic Concrete

Paving asphalt should be PG 64-10 conforming to the requirements of Section 203-1 of the Greenbook. Asphalt concrete materials should conform to Section 203-6 and construction should conform to Section 302 of the Greenbook.

6.8.5 Portland Cement Concrete

Portland cement concrete used to construct concrete paving should conform to Section 201 of the Greenbook and should have a minimum compressive strength of 3,250 pounds per square inch (psi) at 28 days. Reinforcement and jointing of concrete pavement sections should be designed according to the minimum recommendations provided by the Portland Cement Association (PCA). For rigid pavement, transverse and longitudinal contraction joints should be provided at spacing no greater than 15 feet. Score joints may be constructed by saw cutting to a depth of ¼ of the slab thickness. Expansion/cold joints may be used in lieu of score joints. Such joints should be properly sealed. Where traffic will traverse over cold joints without keyways or dowels or edges of concrete paving, the edges should be thickened by 20% of the design thickness toward the edge over a horizontal distance of 5 feet.

6.9 POST GRADING CONSIDERATIONS

6.9.1 Site Drainage and Irrigation

The ground immediately adjacent to foundations should be provided with positive drainage away from the structures in accordance with 2019 CBC, Section 1804.4. Based on soil and climatic conditions, the ground slope within 10 feet of the buildings may be reduced to 2%. No rain or excess water should be allowed to pond against structures such as walls, foundations, flatwork, etc.

Excessive irrigation water can be detrimental to the performance of the proposed site development. Water applied in excess of the needs of vegetation will tend to percolate into the ground. Such percolation can lead to nuisance seepage and shallow perched groundwater. Seepage can form on slope faces, on the faces of retaining walls, in streets, or other low-lying areas. These conditions could lead to adverse effects such as the formation of stagnant water that breeds insects, distress or damage of trees, surface erosion, slope instability, discoloration and salt buildup on wall faces, and premature

failure of pavement. Excessive watering can also lead to elevated vapor emissions within buildings that can damage flooring finishes or lead to mold growth inside the home.

Key factors that can help mitigate the potential for adverse effects of overwatering include the judicious use of water for irrigation, use of irrigation systems that are appropriate for the type of vegetation and geometric configuration of the planted area, the use of soil amendments to enhance moisture retention, use of low-water demand vegetation, regular use of appropriate fertilizers, and seasonal adjustments of irrigation systems to match the water requirements of vegetation. Specific recommendations should be provided by a landscape architect or other knowledgeable professional.

6.9.2 Utility Trenches

Trench excavations should be constructed in accordance with the recommendations contained in Section 6.1.8 of this report. Trench excavations must also conform to the requirements of Cal/OSHA.

Trench backfill materials and compaction criteria should conform to the requirements of the local municipalities. As a minimum, utility trench backfill should be compacted to at least 90 percent of the laboratory standard. Materials placed within the pipe zone (6 inches below and 12 inches above the pipe) should consist of particles no greater than ¾ inches and have a SE of at least 30. The materials within the pipe zone should be moisture-conditioned and compacted by hand-operated compaction equipment. Above the pipe zone (>1 foot above pipe), the backfill may consist of general fill materials. Trench backfill should be moisture-conditioned to slightly over the optimum moisture content, placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. For trenches with sloped walls, backfill material should be placed in lifts no greater than 8 inches in loose thickness, and then compacted by rolling with a sheepsfoot roller or similar equipment. The project geotechnical consultant should perform density testing along with probing to verify that adequate compaction has been achieved.

Within shallow trenches (less than 18 inches deep) where pipes may be damaged by heavy compaction equipment, imported clean sand having a SE of 30 or greater may be utilized. The sand should be placed in the trench, thoroughly watered, and then compacted with a vibratory compactor. For utility trenches located below a 1:1 (H:V) plane projecting downward from the outside edge of the adjacent footing base or crossing footing trenches, concrete or slurry should be used as trench backfill.

6.10 PLAN REVIEW AND CONSTRUCTION SERVICES

We recommend ***Albus & Associates, Inc.*** be engaged to review any future development plans, including civil plans (grading plans), foundation plans, and proposed structural loads, prior to construction. This is to verify that the assumptions of this report are valid and that the preliminary conclusions and recommendations contained in this report have been properly interpreted and are incorporated into the project plans and specifications. If we are not provided the opportunity to review these documents, we take no responsibility for misinterpretation of our preliminary conclusions and recommendations.

We recommend that a geotechnical consultant be retained to provide soil engineering services during construction of the project. These services are to observe compliance with the design, specifications

or recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

If the project plans change significantly from the assumed development described herein, the project geotechnical consultant should review our preliminary design recommendations and their applicability to the revised construction. If conditions are encountered during construction that appear to be different than those indicated in this report or subsequent design reports, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

7.0 LIMITATIONS

This report is based on the proposed development and geotechnical data as described herein. The materials encountered on the project site and utilized in our laboratory testing for this investigation are believed representative of the total project area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observation and testing by a geotechnical consultant during the grading and construction phases of the project are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

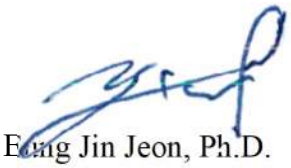
This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein.

This report has been prepared for the exclusive use of **G3 Urban Company** and their project consultants in the planning and design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

Respectfully submitted,

ALBUS & ASSOCIATES, INC.



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Associate Engineer
G.E. 3096

Reviewed by:

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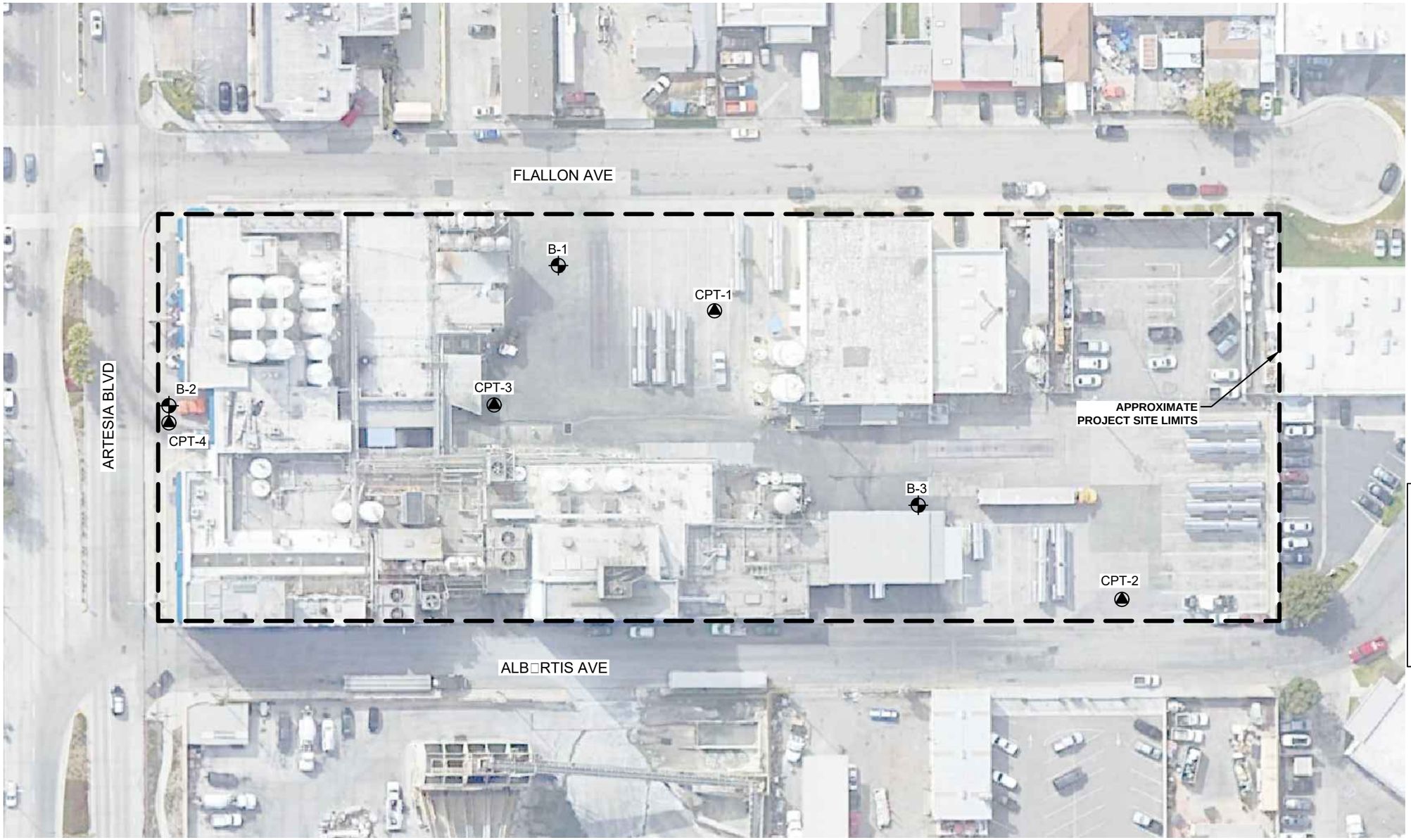


Google 2021

0 30 60 120

APPROX SCALE : 1" □ 60□

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- CPT

ALBUS ASSOCIATES

GEOTECHNICAL MAP

Job No.: 3027.00	Date: 12/07/2021	Plate: 1

APPENDIX A

EXPLORATION LOGS AND CONE PENETRATION TEST RESULTS

Field Identification Sheet

Light gray

Gray

Dark gray

Gray Brown

Light brown

Brown

Dark Brown

Olive brown

Olive

Yellow

Yellowish brown

Yellowish red

Red

Reddish Brown

Tan

Description Order:

Description, Color, Moisture, Density, Grain Size, Additional Description

Description	%	Example
	0-5	Sand
trace	5-15	Sand trace Silt
with	15-30	Sand with Silt
	30+	Silty Sand

More Examples

Sand with Silt trace Clay

Sand trace Silt and Clay

Sand with Silt and Clay

Gravelly Sand with Silt trace Clay

Silty Clay with Sand trace Gravel

Moisture

Dry	absence of water
Damp	below optimum
Moist	near optimum
Very Moist	above optimum
Wet	free water visible

Density (Navfac)

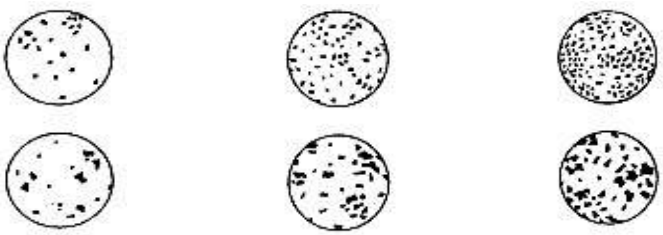
Coarse grained soils	SPT	CA
Very Loose	0-3	0-5
Loose	3-8	5-13
Medium Dense	8-14	13-22
Dense	14-25	22-40
Very Dense	25>	40>
Fine grained soils		
Very Soft	2<	0-3
Soft	2-4	3-6
Medium Stiff	4-8	6-13
Stiff	8-15	13-24
Very Stiff	15-30	24-48
Hard	30>	48>

Grain Size

Description		Sieve Size	Approx. Size
Boulders		>12"	Larger than basketball
Cobbles		3-12"	Fist to basketball
Gravel	coarse	3/4-3"	Thumb to Fist
	fine	#4-3/4"	Pea to Thumb
Sand	coarse	#10-4	Rock Salt to Pea
	medium	#40-10	Sugar to Rock Salt
	fine	#200-40	Flour to Sugar
Fines		Pass #200	Smaller than Flour

Additional Description (ie. roots, pinhole pores, debris, etc.)

Trace 5% Moderate 15% Abundant 30%



EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		EXPLANATION							
		Solid lines separate geologic units and/or material types.							
		Dashed lines indicate unknown depth of geologic unit change or material type change.							
5		**Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD).							
		Double triangle in core column represents SPT sampler.							
10		**Vertical Lines** in core column represents Shelby sampler.							
		Solid black rectangle in Bulk column respresents large bag sample.							
		Other Laboratory Tests:							
15		Max = Maximum Dry Density/Optimum Moisture Content							
		EI = Expansion Index							
		SO4 = Soluble Sulfate Content							
		DSR = Direct Shear, Remolded							
		DS = Direct Shear, Undisturbed							
		SA = Sieve Analysis (1" through #200 sieve)							
		Hydro = Particle Size Analysis (SA with Hydrometer)							
20		200 = Percent Passing #200 Sieve							
		Consol = Consolidation							
		SE = Sand Equivalent							
		Rval = R-Value							
		ATT = Atterberg Limits							

EXPLORATION LOG

Project:		Location: B-1
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 54.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							Max EI SO4 DS RVal pH Resist Ch Consol ATT
		ARTIFICIAL FILL (Af) Sandy Silt (ML): Grayish brown, moist, fine grained sand		14	■	■	22.4	100.7	
		ALLUVIUM (Qal) Sandy Silt (ML): Grayish brown, moist, stiff, fine grained sand, moderate pinhole pores		15	■	■	19.1	104.5	
5		@ 4 ft, more fine grained sand present Sand trace Silt (SP): Light gray, moist, loose, fine to medium grained sand		9	■		11.9	100.5	
10		Sandy Silt / Silty Sand (ML/SM): Grayish brown, very moist, stiff / medium dense, fine grained sand	▽	17	■		20.1	99.8	
15		Sand trace Silt (SP): Grayish brown, wet, medium dense, fine to medium grained sand		14	⧗				
20		Sandy Silt (SM): Grayish brown, wet, medium stiff, fine grained sand		4	⧗				200
25		Sand trace Silt (SP): Light gray, wet, medium dense, fine to medium grained sand		16	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							
		ARTIFICIAL FILL (Af)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, fine grained sand		17	■		24.2	97.9	Consol
		ALLUVIUM (Qal)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, medium dense, fine grained sand, trace pinhole pores, decayed rootlets		15	■		19.4	100.5	
5		Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand		12	■		15.7	90.7	
		Silty Sand (SM): Light grayish brown, very moist, loose, fine grained sand							
10		Sandy Silt trace Clay (ML): Grayish brown, very moist, stiff, fine grained sand		18	■		12.6	98.8	Consol
		Silty Sand (SM): Grayish brown, very moist, medium dense, fine grained sand							
		Sand trace Silt (SP): Grayish brown, very moist, medium dense, fine to medium grained sand	▽						
15		Silty Sand (SM): Grayish brown, wet, medium dense, fine grained sand, significant fines		12	▼				
		@ 16.3 ft, Gray							
20		Silty Sand (SM): Grayish brown, wet, loose, fine grained sand		6	▼				200
25		Sand trace Silt (SP): Light grayish brown, wet, dense, fine to medium grained sand		19	▼				

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Silty Sand trace Clay (SM): Grayish brown, wet, medium dense, fine grained sand		8					200
35		Sand trace Silt (SP): Grayish brown, wet, dense, fine to medium grained sand		25					
40		Sandy Silt (ML): Gray, wet, very stiff, fine grained sand		13					200
45		Sand (SP): Grayish brown, wet, very dense, fine to medium grained sand		35					
50		Sandy Silt (ML): Grayish brown, wet, very stiff, fine grained sand		11					
		Total Depth 51.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-3
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 57
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		concrete with rebar							
		ARTIFICIAL FILL (Af) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, fine grained sand		15	■		20.9	102.9	
		ALLUVIUM (Qal) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand, trace pinhole pores		13	■		19.2	101.8	
5		@ 4 ft, loose / stiff Silty Sand (SM): Grayish brown, moist, loose, fine grained sand		11	■		15.3	97	Consol
10		@ 10 ft, very moist, medium dense	▽	17	■		15.4	93.2	
15		Sand trace Silt and Clay (SP): Grayish brown, wet, loose, fine grained sand		4	⧗				
		Silty Sand (SM): Gray, wet, loose, fine to medium grained sand							
20		Silty Sand with Clay (SM): Grayish brown, wet, loose, fine grained sand		4	⧗				200
25		Sand (SP): Grayish brown, wet, medium dense, fine to medium grained sand		11	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

SUMMARY

OF

CONE PENETRATION TEST DATA

Project:

180 Flallon Avenue
Artesia, CA
November 2, 2021

Prepared for:

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3. **FIELD EQUIPMENT & PROCEDURES**
4. **CONE PENETRATION TEST DATA & INTERPRETATION**

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- CPT Plots
- CPT Classification/Soil Behavior Chart
- CPT Data Files (sent via email)

SUMMARY

OF

CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the project located at 180 Flallon Avenue in Artesia, California. The work was performed by Kehoe Testing & Engineering (KTE) on November 2, 2021. The scope of work was performed as directed by Albus & Associates personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at four locations to determine the soil lithology. A summary is provided in **TABLE 2.1**.

LOCATION	DEPTH OF CPT (ft)	COMMENTS/NOTES:
CPT-1	50	
CPT-2	50	
CPT-3	50	
CPT-4	50	

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone with a cone net area ratio of 0.83. The following parameters were recorded at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for up to 2 years for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil behavior type on the CPT plots is derived from the attached CPT SBT plot (Robertson, "Interpretation of Cone Penetration Test…", 2009) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

The CPT data files have also been provided. These files can be imported in CPeT-IT (software by GeoLogismiki) and other programs to calculate various geotechnical parameters.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING

Steven P. Kehoe
President

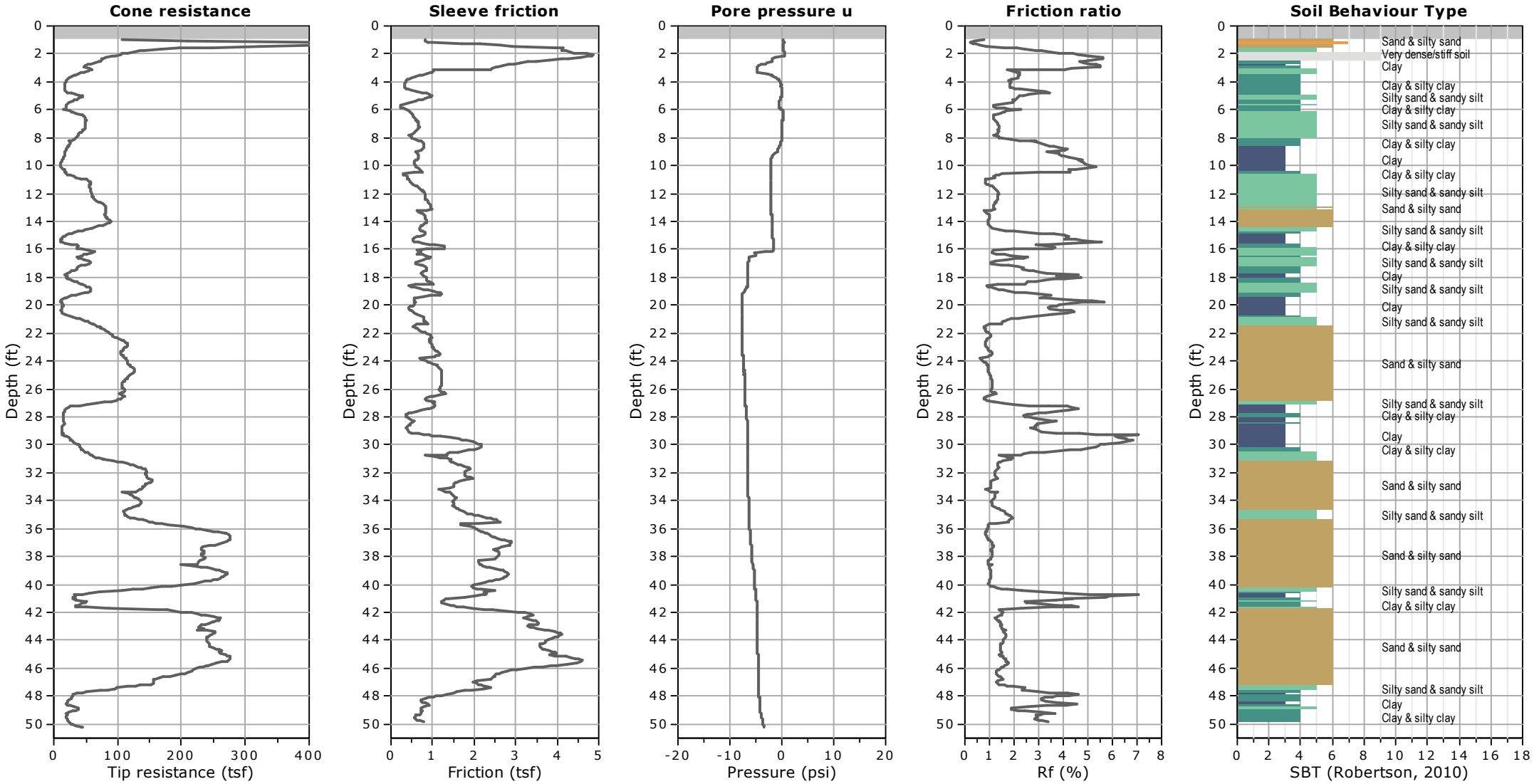
11/04/21-hh-3536

APPENDIX

Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

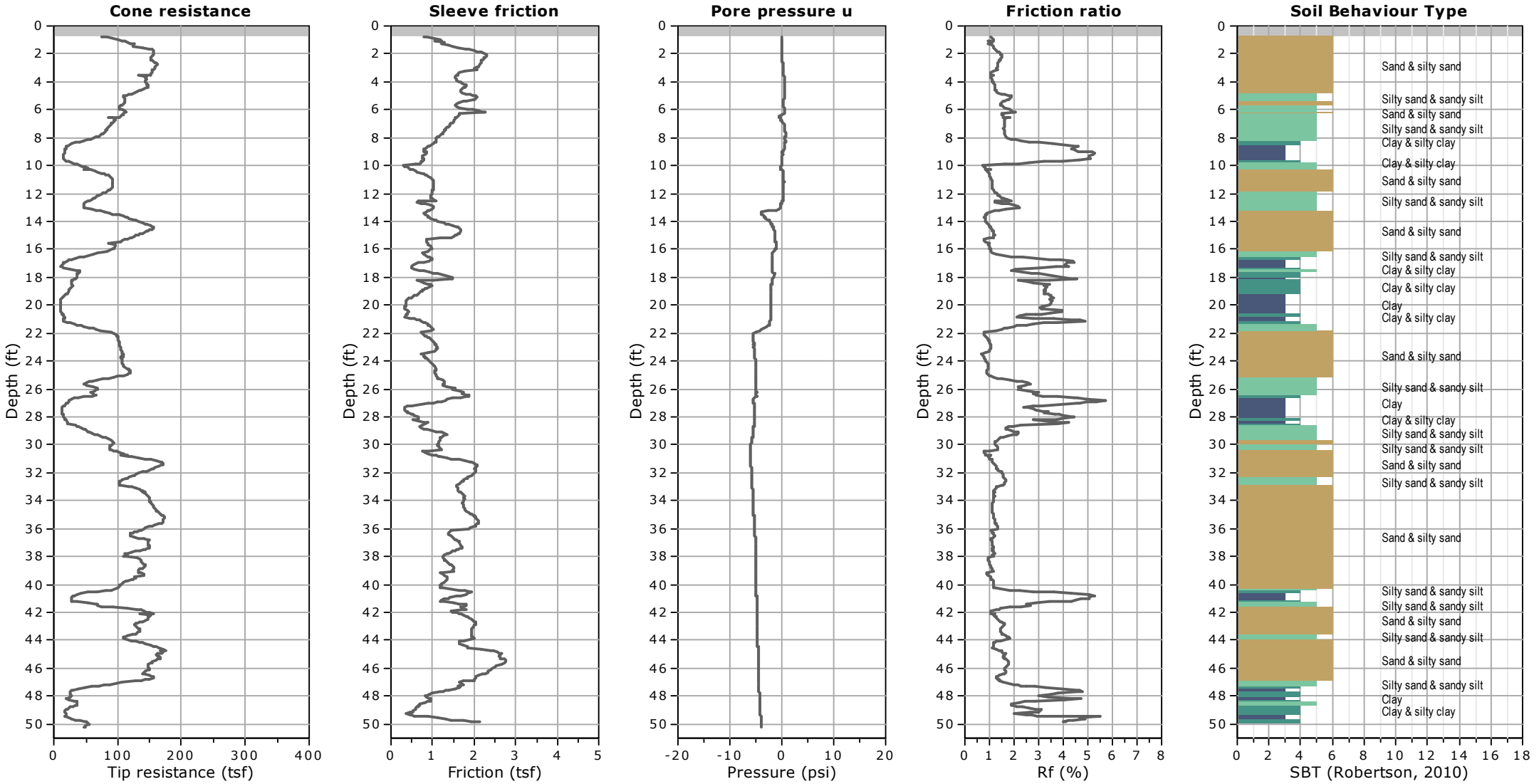
CPT-1
Total depth: 50.20 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-2
Total depth: 50.22 ft, Date: 11/2/2021



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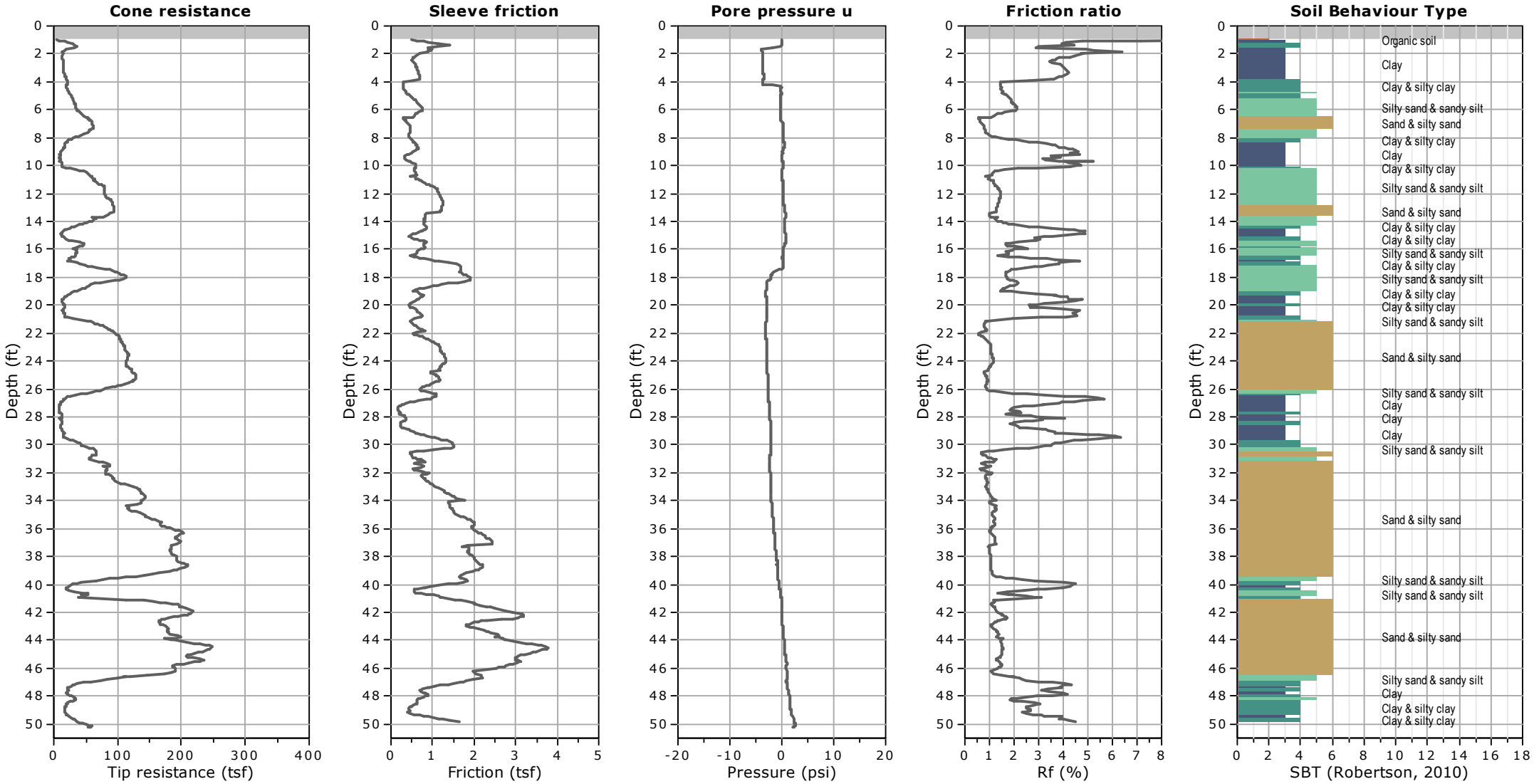
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-3
Total depth: 50.24 ft, Date: 11/2/2021



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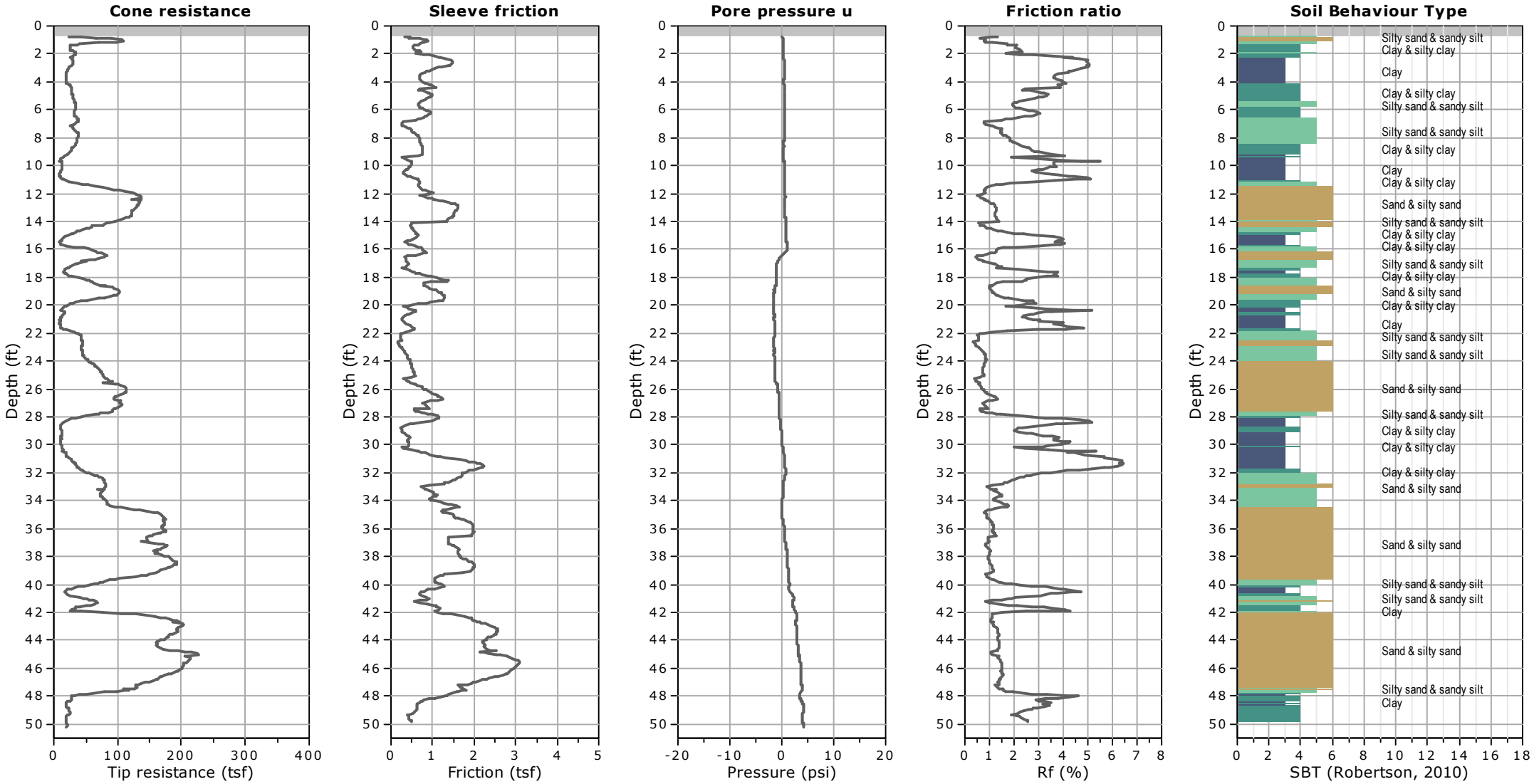
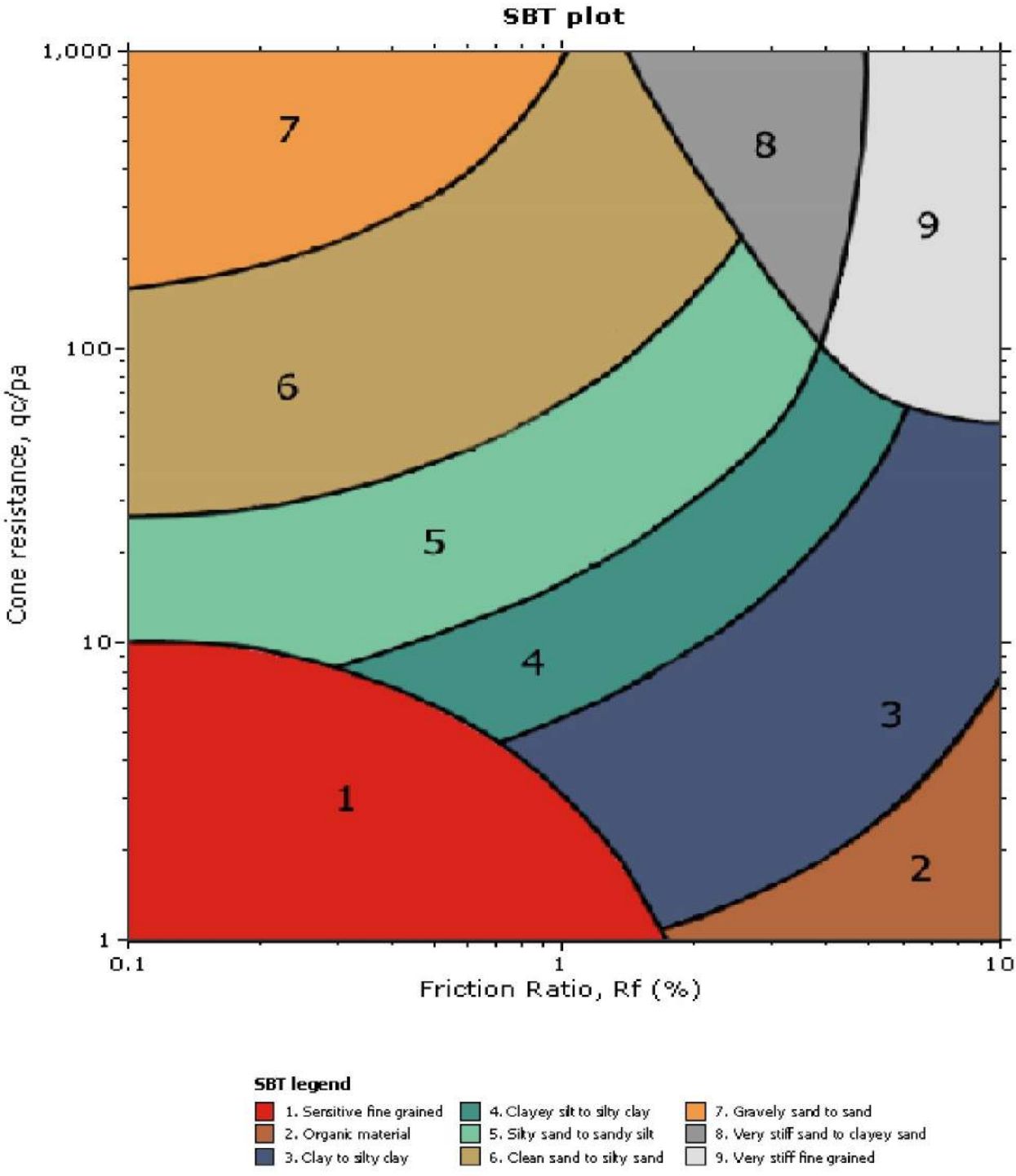
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-4
Total depth: 50.22 ft, Date: 11/2/2021



Kehoe Testing & Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com



APPENDIX B

LABORATORY TEST RESULTS

LABORATORY TESTING PROGRAM

Soil Classification

Soils encountered within the exploratory borings were initially classified in the field in general accordance with the visual-manual procedures of the Unified Soil Classification System (ASTM D 2488). The samples were re-examined in the laboratory and classifications reviewed and then revised where appropriate. The assigned group symbols are presented on the Exploration Logs provided in Appendix A.

In-Situ Moisture Content and Dry Density

Moisture content and dry density of in-place soil materials were determined in representative strata. Test data are summarized on the Exploration Logs, Appendix A.

Atterberg Limits

Atterberg Limits (Liquid Limit, Plastic Limit, and Plasticity Index) were performed in accordance with Test Method ASTM D 4318. Pertinent test values are presented within Table B-1.

Maximum Dry Density and Optimum Moisture Content

Maximum dry density and optimum moisture content were performed on a representative sample of the site materials obtained from our field explorations. The test was performed in accordance with ASTM D 1557. Pertinent test values are given in Table B-1.

Expansion Potential

Expansion index testing was performed on a selected sample. The test was performed in accordance with ASTM D4829. The test result and expansion potential are presented in Table B-1.

Direct Shear

The Coulomb shear strength parameters, angle of internal friction and cohesion, were determined for a bulk sample and intact samples obtained from one our borings. The tests were performed in general conformance with Test Method ASTM D 3080. The bulk sample was remolded to 90 percent of maximum dry density and at the optimum moisture content. Three specimens were prepared for each test, artificially saturated, and then sheared under varied loads at an appropriate constant rate of strain. Results are graphically presented on Plate B-5.

Consolidation

Consolidation tests were performed for selected soil samples in general conformance with ASTM D 2435. Axial loads were applied in several increments to a laterally restrained 1-inch-high sample. Loads were applied in geometric progression by doubling the previous load, and the resulting deformations were recorded at selected time intervals. The specific test samples were inundated at selected loads to evaluate the effects of a sudden increase in moisture content (hydro-consolidation potential). Results of the tests are graphically presented on Plates B-1 to B-4.

Soluble Sulfate Content

A chemical analysis was performed on a selected sample to determine soluble sulfate content. This test was performed in our soil laboratory in accordance with California Test Method No 417. The test result is included on Table B-1.

Corrosion

Select samples were tested for minimum resistivity, chloride, pH in accordance with California Test Method 643. Results of these tests are provided in Table B-1.

R-Value

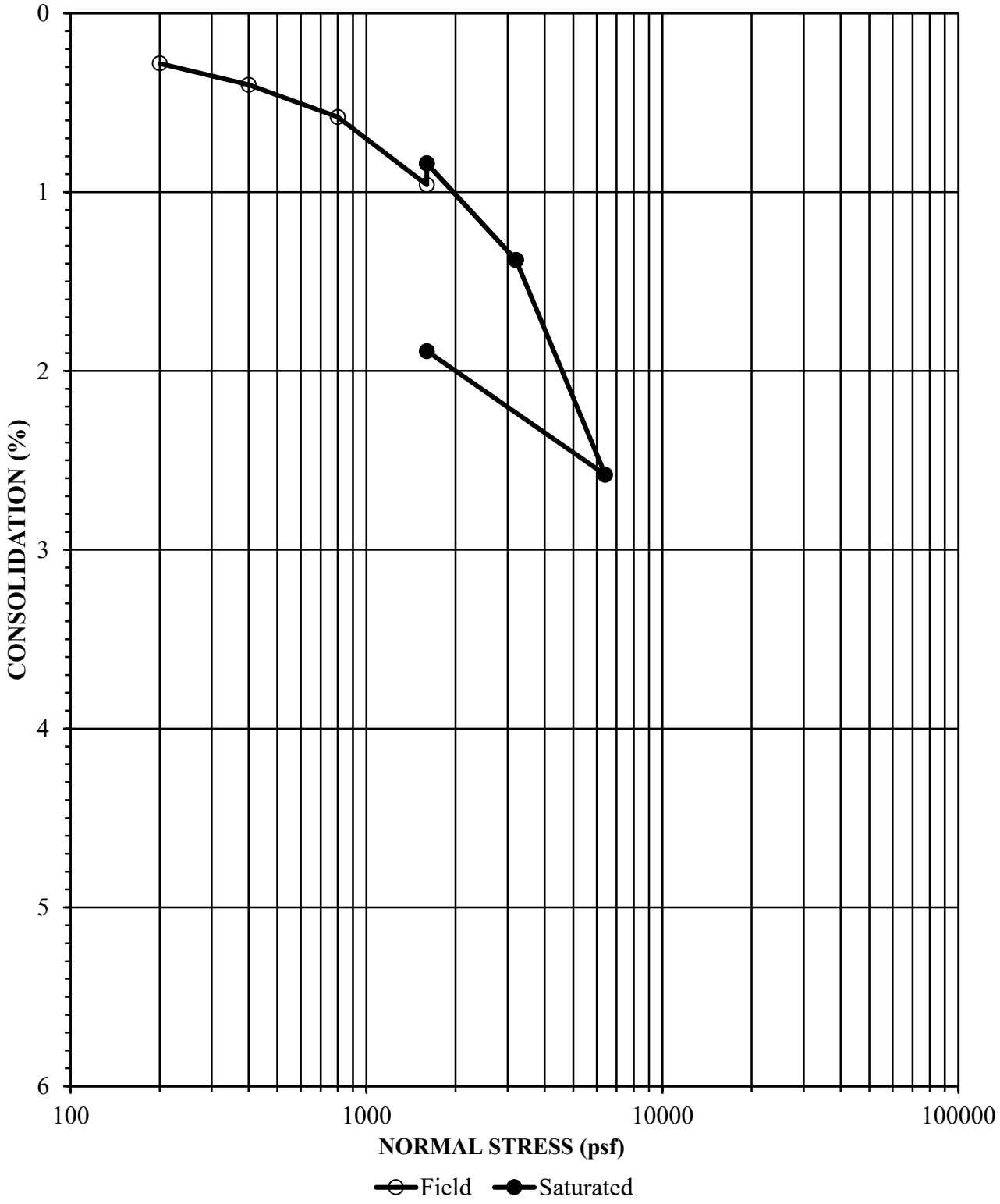
A sample of soil was tested for R-value in accordance with California Test Method (CTM) 301. The results are summarized in Plate B-6.

TABLE B-1
SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Sample Depth (ft.)	Soil Description	Test Results	
B-1	0-5	Sandy Silt trace Clay	Maximum Dry Density (pcf): Optimum Moisture (%): Expansion Index: Expansion Potential: Soluble Sulfate Content (%): Sulfate Exposure: R-Value (By Exudation): Resistivity (ohm-cm): Chloride (ppm): pH:	113.5 15.5 23 Low 0.002 Negligible 43 2500 160 9.45
B-1	2	Sandy Silt	Liquid Limit (%): Plasticity Index (%):	32.7 9
B-1	20	Sandy Silt	Passing No. 200 Sieve (%):	53.4
B-2	20	Silty Sand	Passing No. 200 Sieve (%):	46.6
B-2	30	Silty Sand	Passing No. 200 Sieve (%):	38.5
B-2	40	Sand trace Silt	Passing No. 200 Sieve (%):	7.2
B-3	20	Silty Sand with Clay	Passing No. 200 Sieve (%):	53.2

Note: Additional laboratory test results are provided on the boring logs provided in Appendix A.

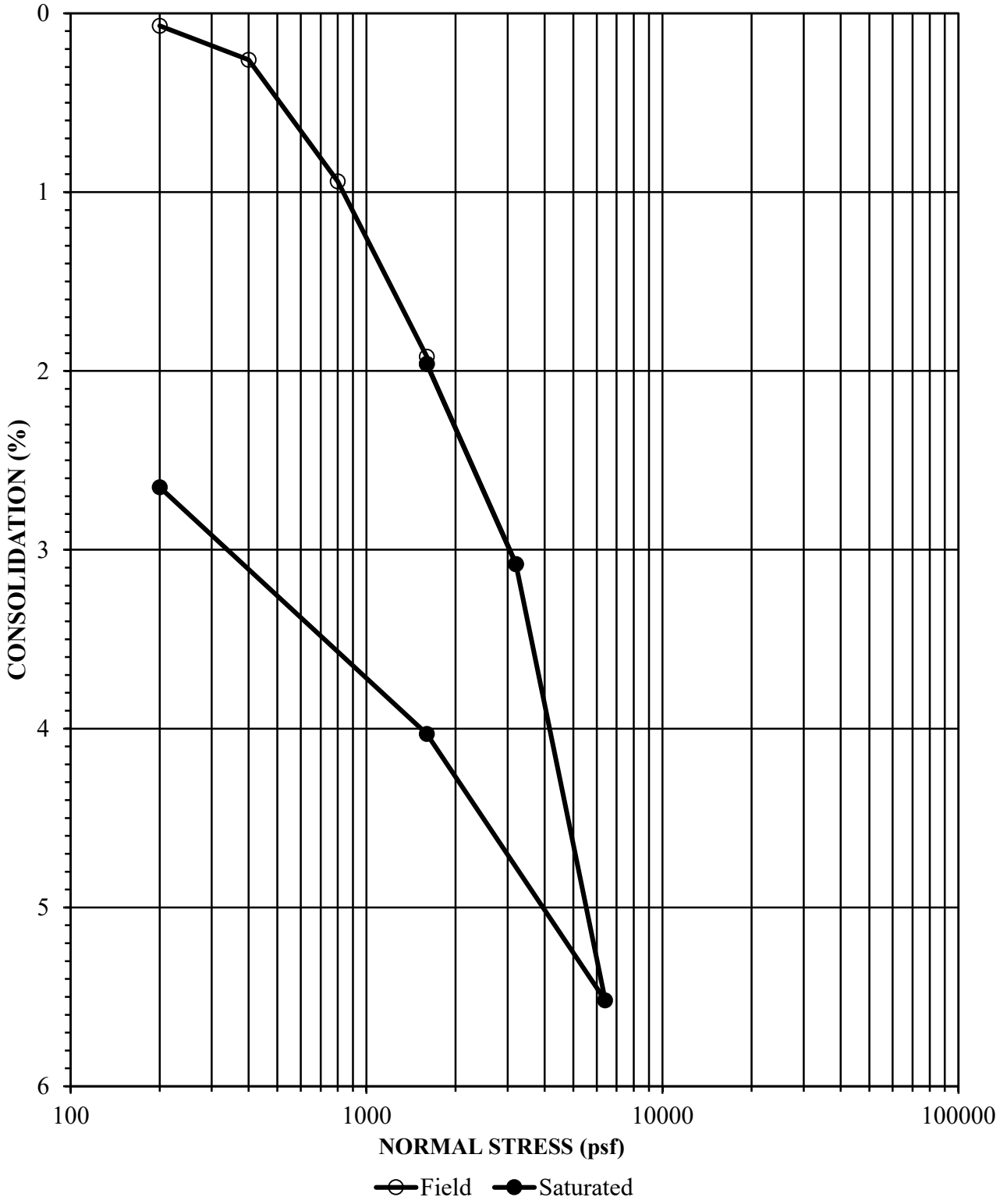
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-1	2	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
99	23.4	24.8

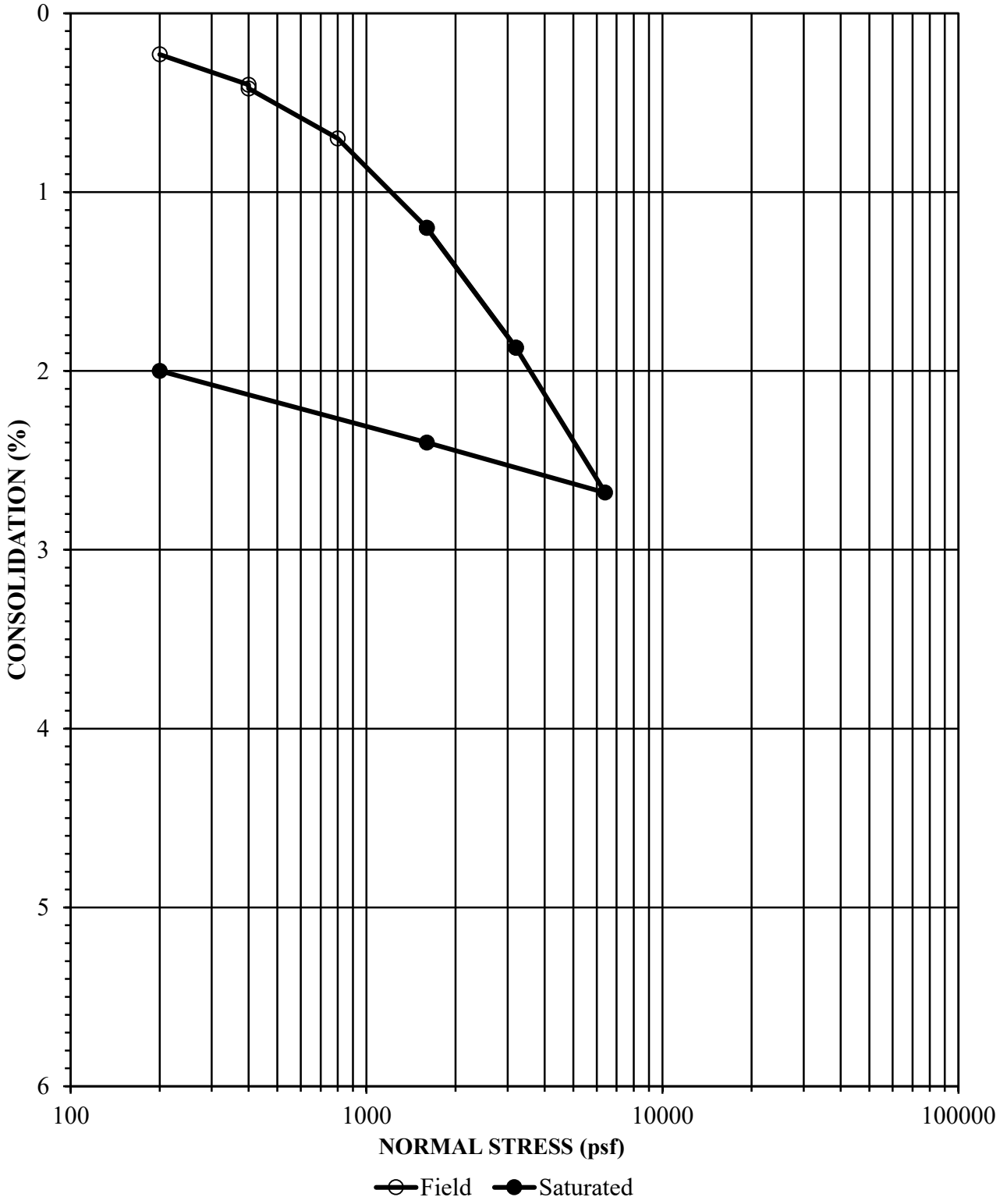
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-2	2	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
100.1	22.3	25.5

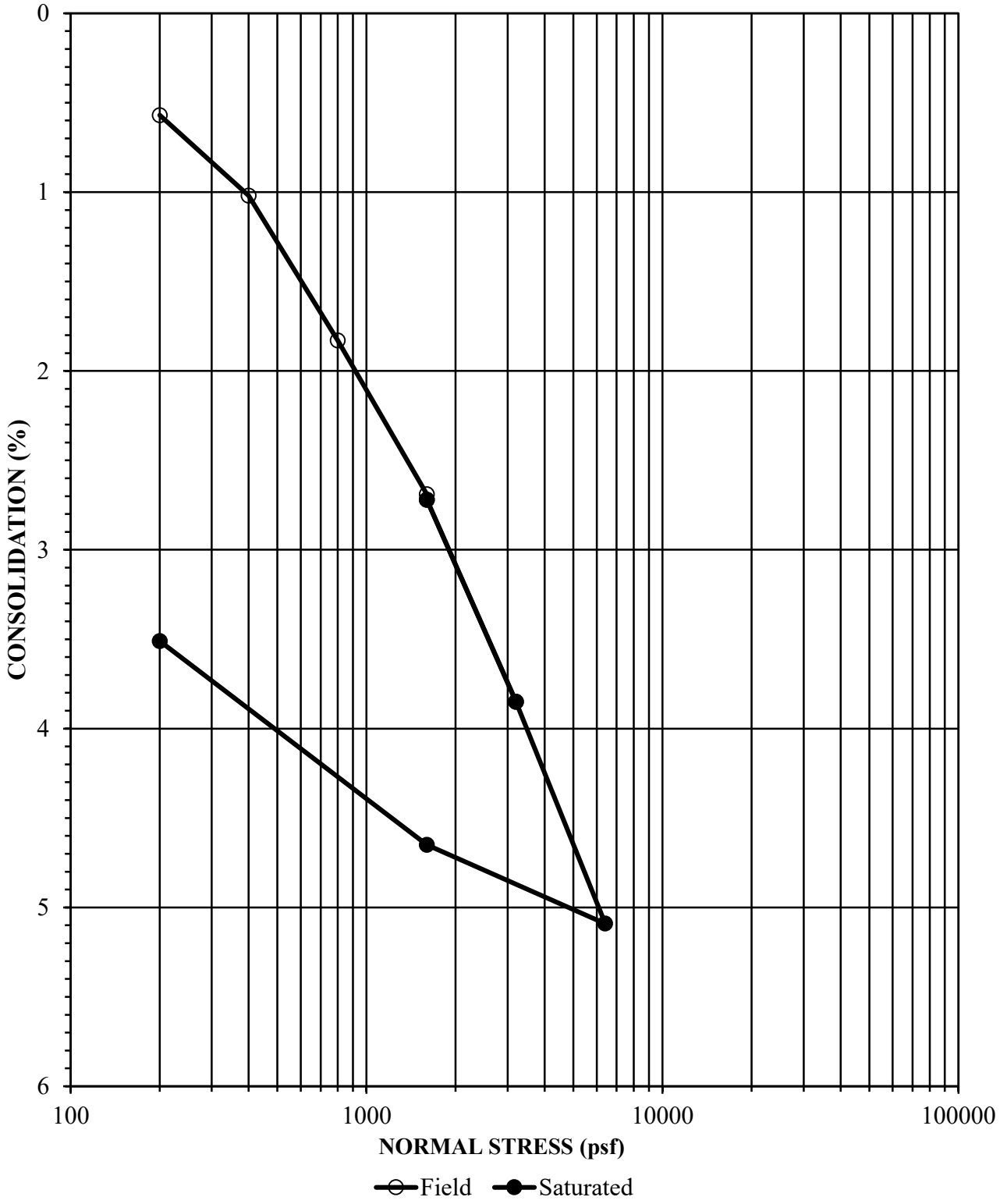
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-2	10	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
94.7	17.1	28.3

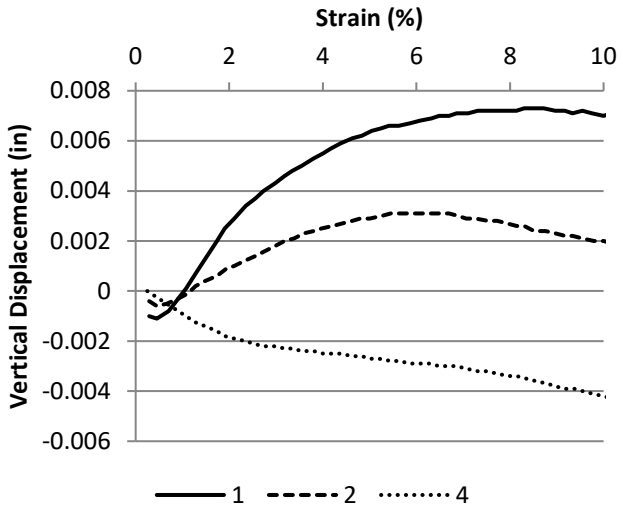
CONSOLIDATION

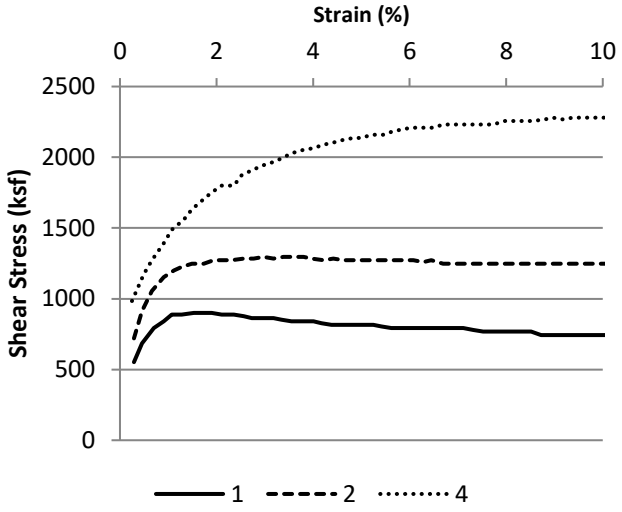


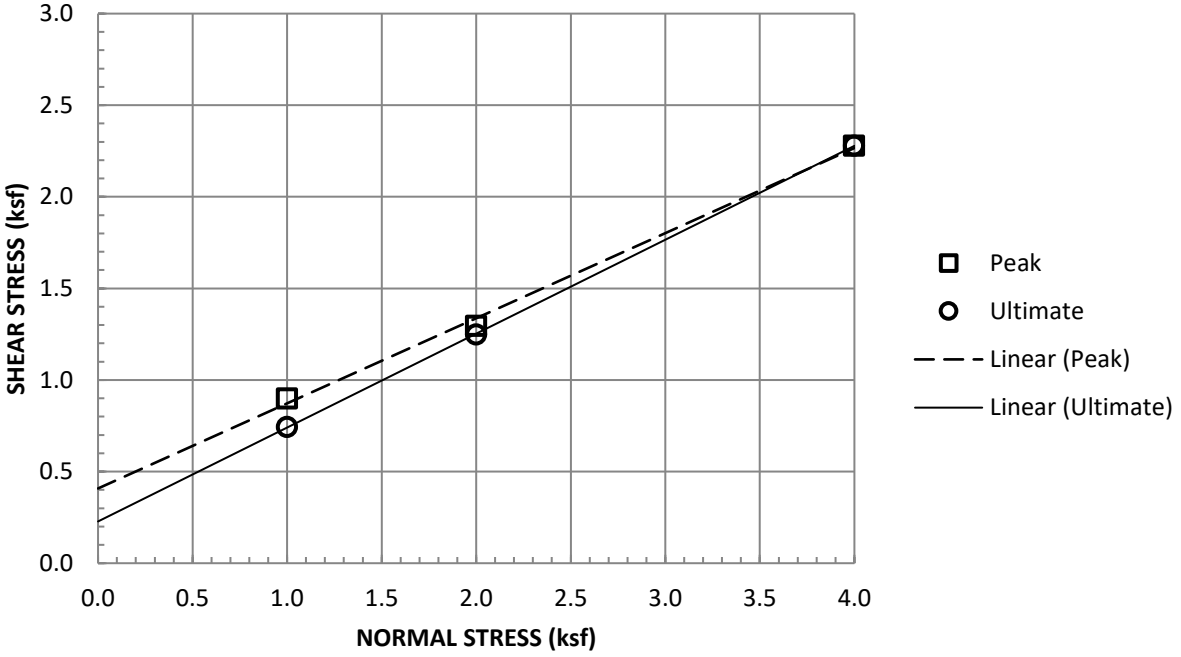
Job Number	Location	Depth	Description
3027.00	B-3	6	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
98.9	9	18.3

DIRECT SHEAR







Sample Type:	Remolded, Saturated		
Normal Stress (ksf)	1	2	4
Peak Shear Stress (ksf)	0.9	1.296	2.28
Peak Displacement (in)	0.007	0.003	0.004
Ultimate Shear Stress (ksf)	0.744	1.248	2.28
Ultimate Displacement (in)	0.25	0.25	0.25
Initial Dry Density (pcf)	95.9	95.5	95.5
Initial Moisture Content (%)	23.2	23.2	23.2
Final Moisture Content (%)	32	32	32.7
Strain Rate (in/min)	0.05		

Job Number	Location	Depth	Description
3027.00	B-1	0-5	Sandy Silt

'R' VALUE CA 301

Client: Albus Date: 11/9/21 By: LD

Client's Job No.: 3027.00 Sample : B-1 @ 0 - 5'

GLA Reference: 2005-011 Soil Type: Brown, Sandy Clay

TEST SPECIMEN		A	B	C	D
Compactor Air Pressure	psi	**200**	**300**	**250**	
Initial Moisture Content	%	**17.3**	**17.3**	**17.3**	
Water Added	ml	**0**	**-15**	**-8**	
Moisture at Compaction	%	17.3	15.9	16.5	
Sample & Mold Weight	gms	**3174**	**3192**	**3163**	
Mold Weight	gms	**2103**	**2098**	**2099**	
Net Sample Weight	gms	1071	1094	1064	
Sample Height	in.	**2.5**	**2.511**	**2.466**	
Dry Density	pcf	110.6	113.9	112.2	
Pressure	lbs	**2835**	**7550**	**4620**	
Exudation Pressure	psi	226	601	368	
Expansion Dial	x 0.0001	**27**	**115**	**70**	
Expansion Pressure	psf	117	498	303	
Ph at 1000lbs	psi	**38**	**22**	**30**	
Ph at 2000lbs	psi	**82**	**48**	**60**	
Displacement	turns	**4.69**	**4.05**	**4.29**	
R' Value		34	59	49	
Corrected 'R' Value		**34**	**59**	**49**	

FINAL 'R' VALUE	
By Exudation Pressure (@ 300 psi):	**43**
By Epansion Pressure :	**33**
TI = 5	

Geo-Logic ASSOCIATES

APPENDIX C

LIQUEFACTION ANALYSIS

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

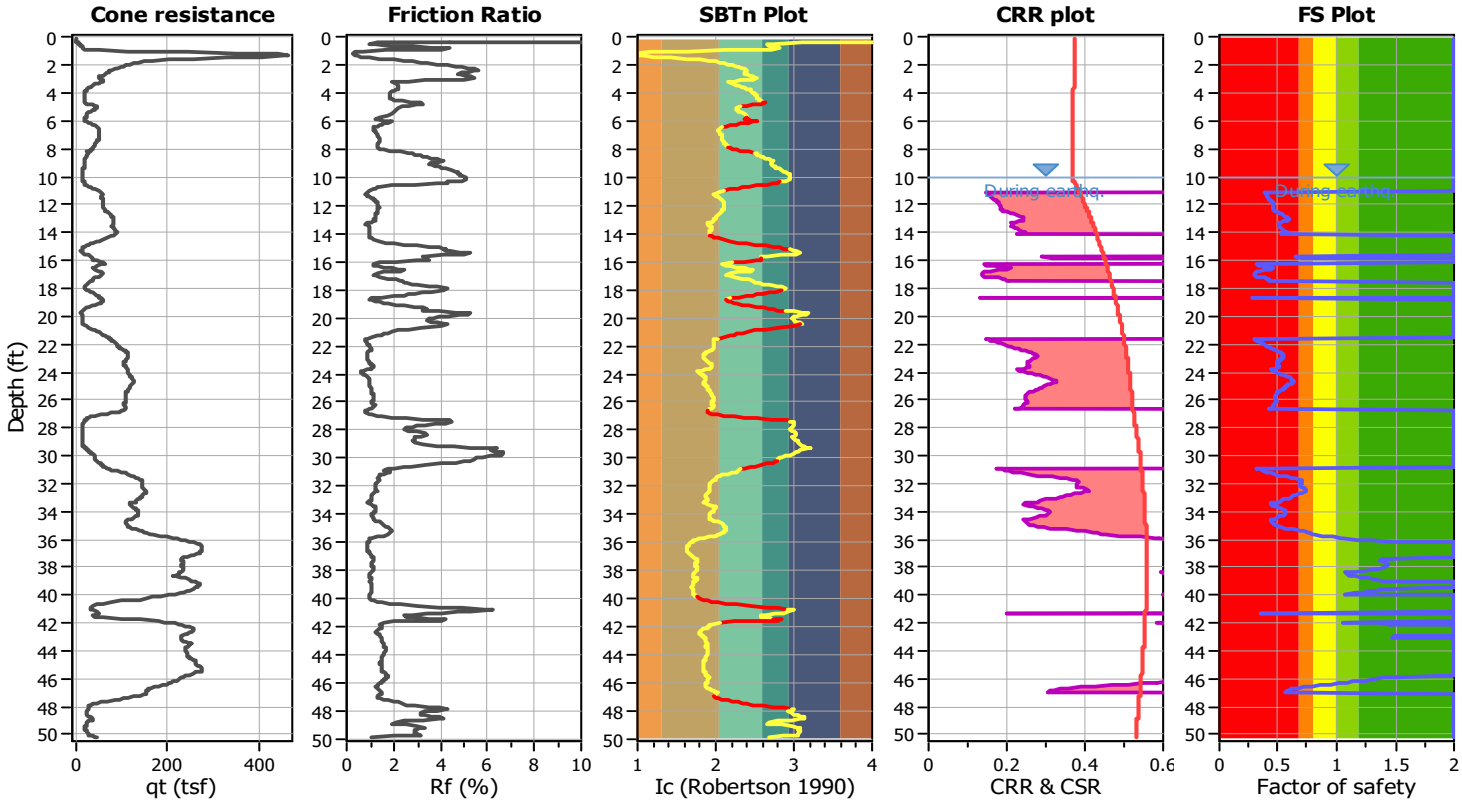
LIQUEFACTION ANALYSIS REPORT

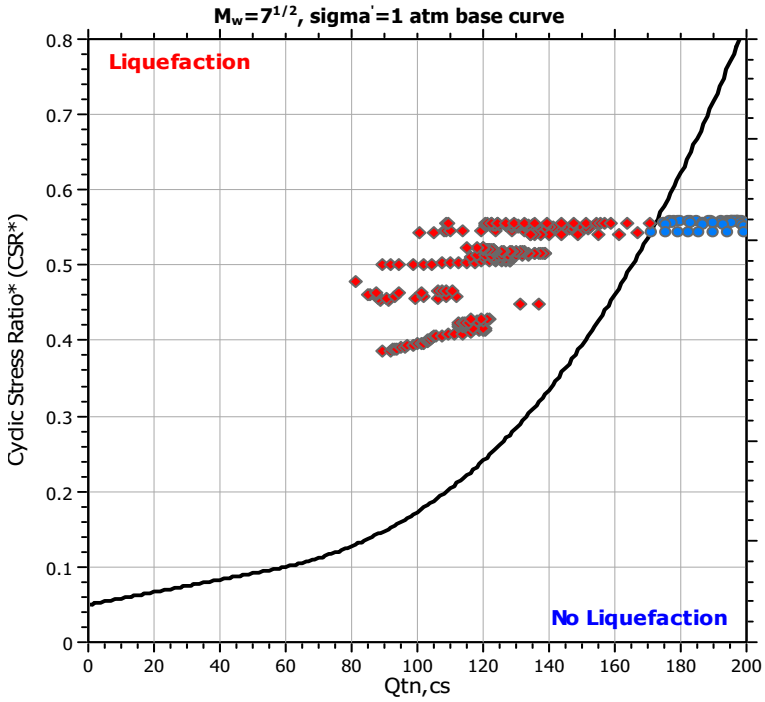
Project title : 3027.00 **Location : Artesia, CA**

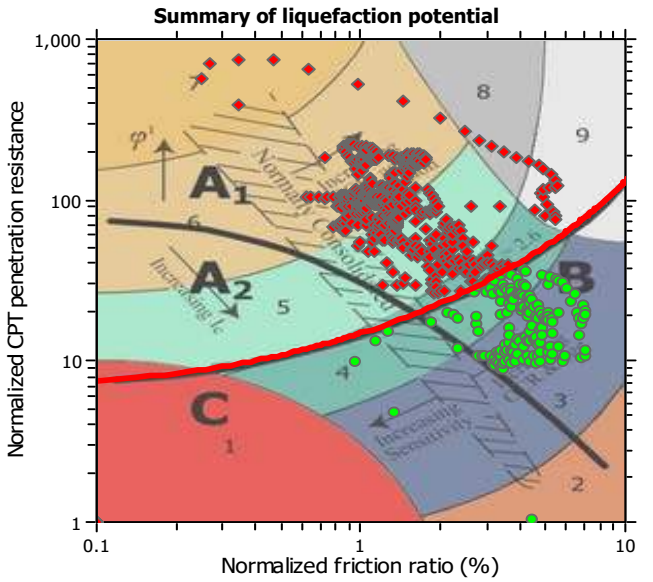
CPT file : CPT-1

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

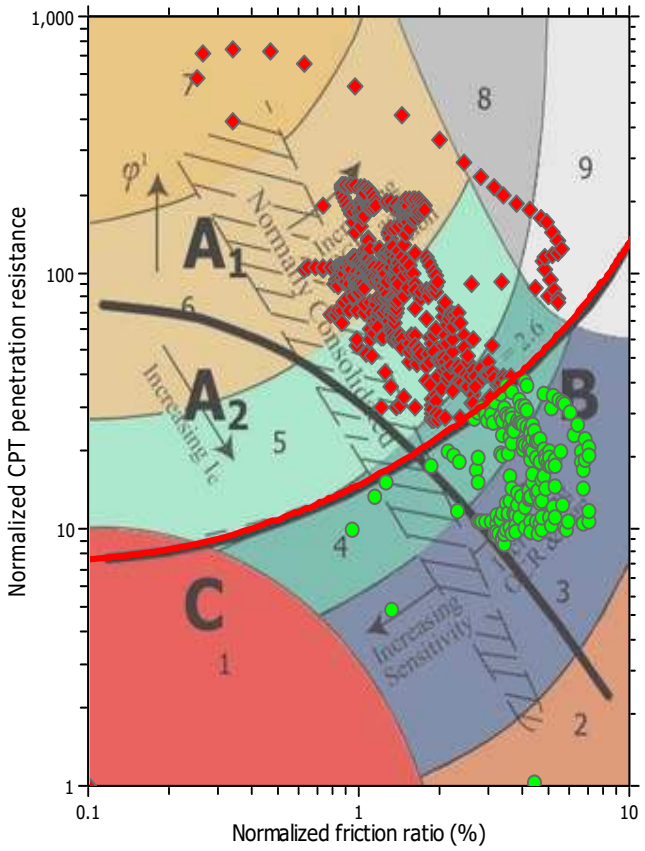


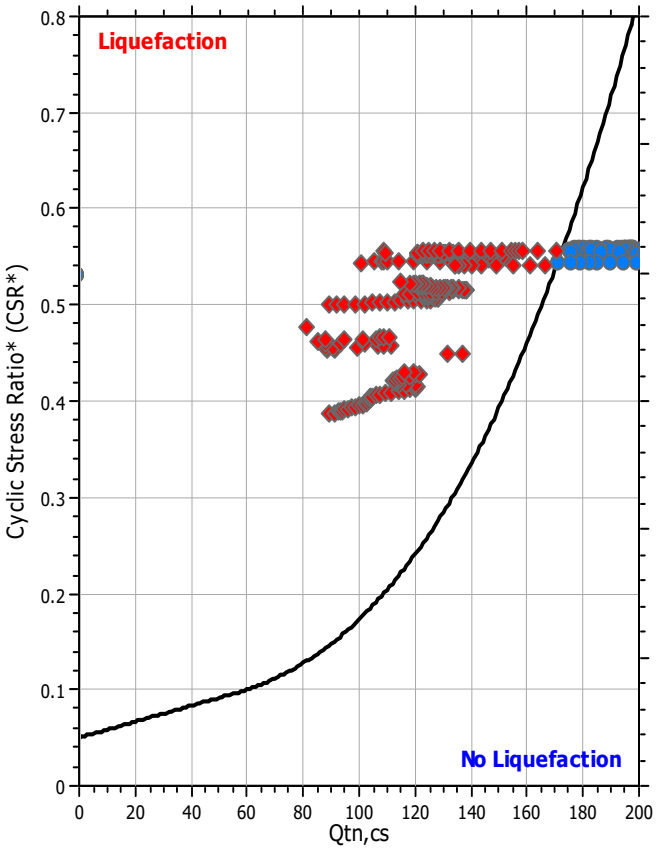


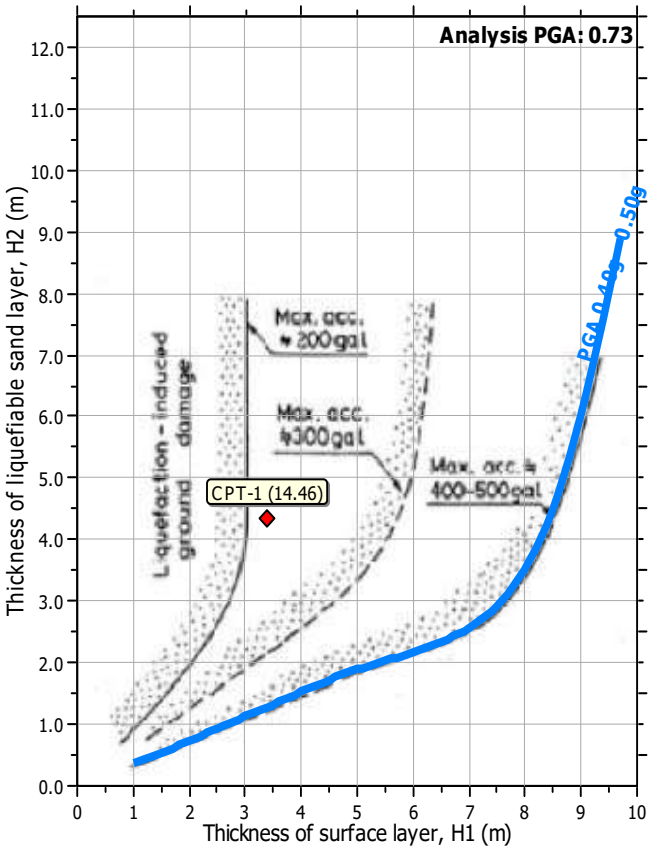


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots



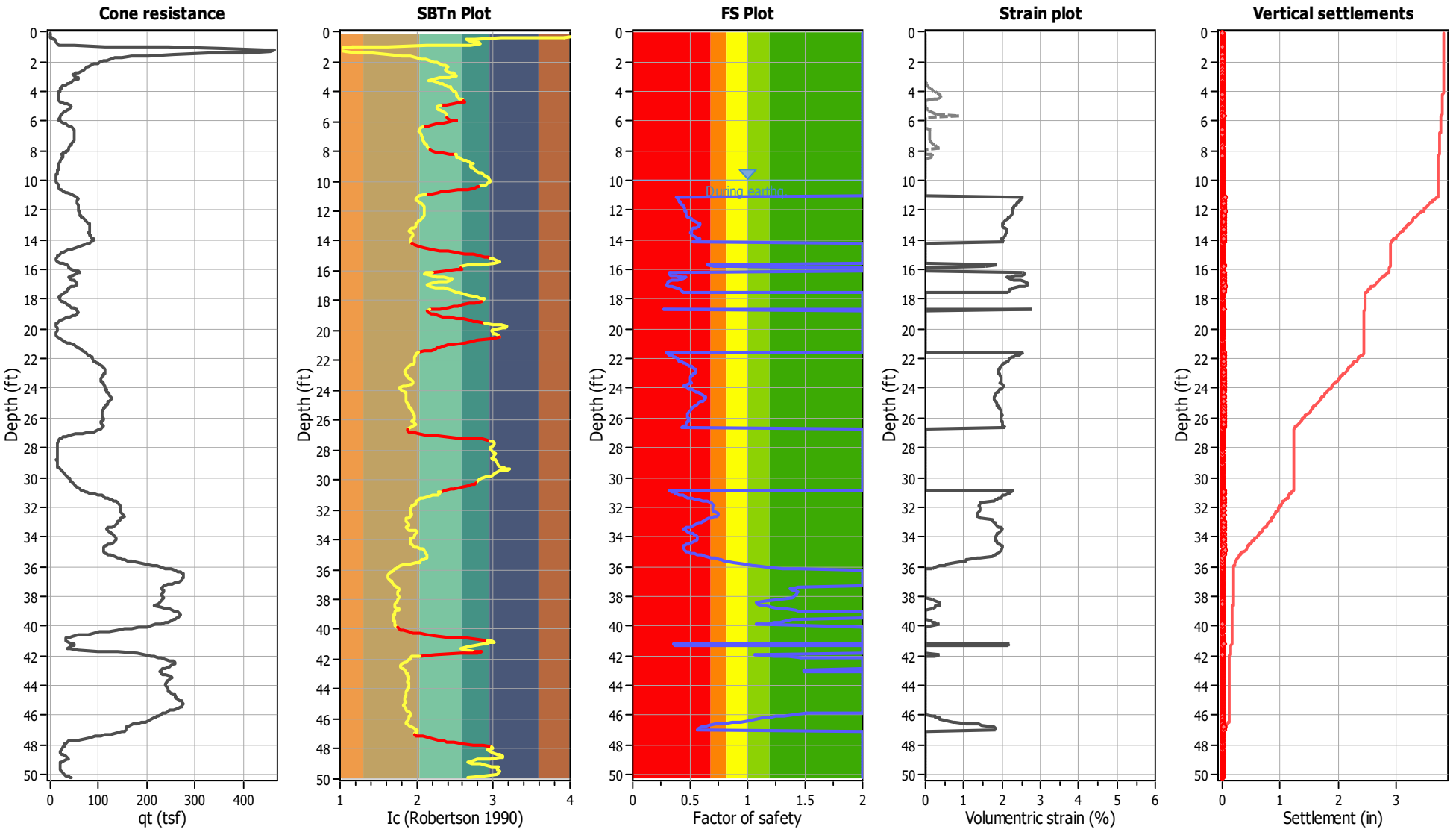




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.83	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.73	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

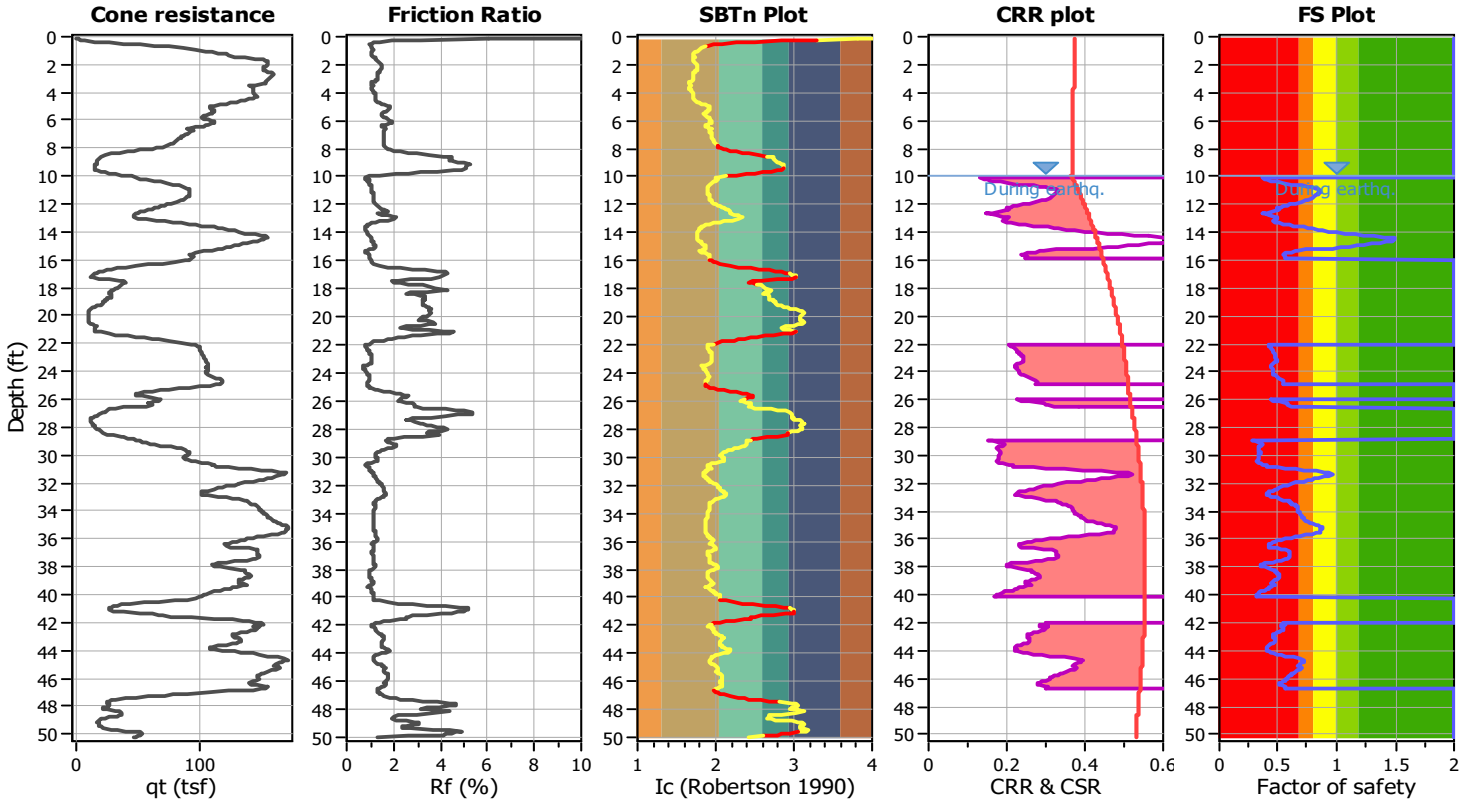
LIQUEFACTION ANALYSIS REPORT

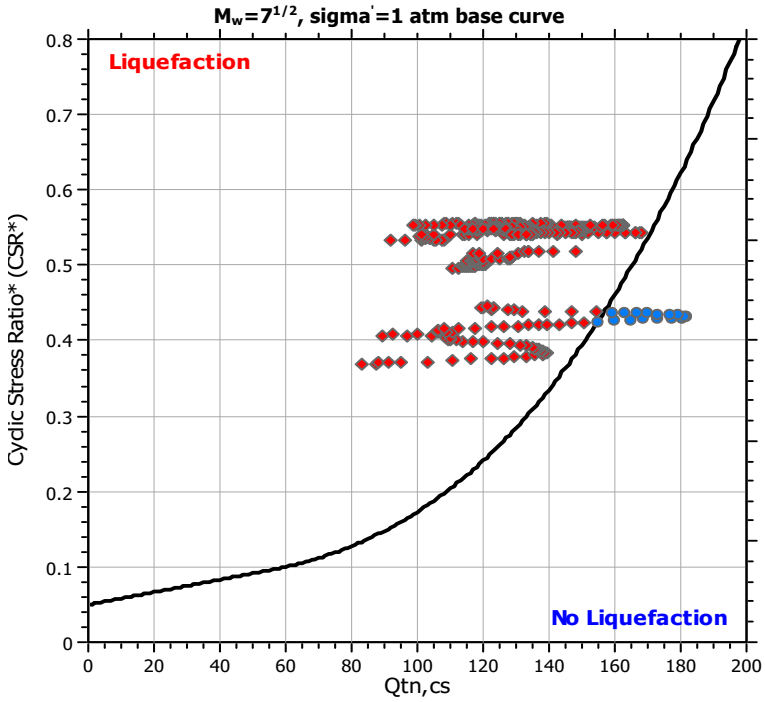
Project title : 3027.00 **Location : Artesia, CA**

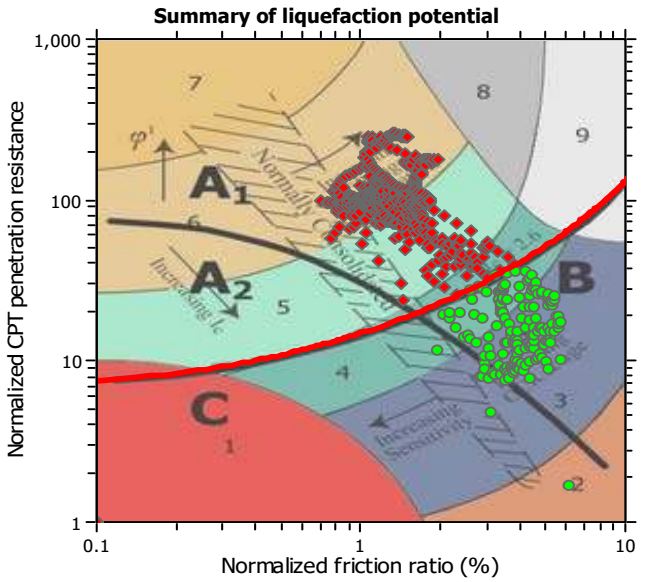
CPT file : CPT-2

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

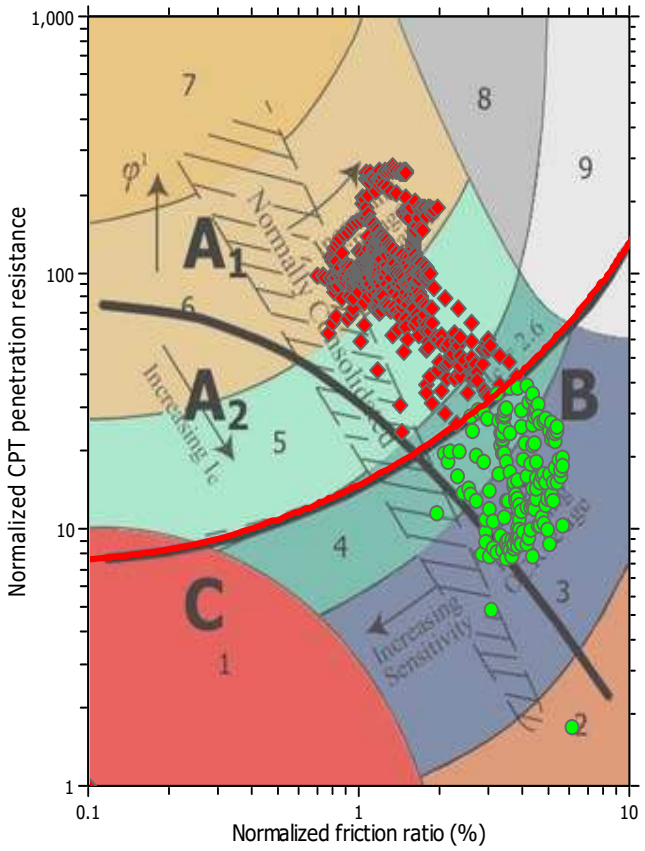


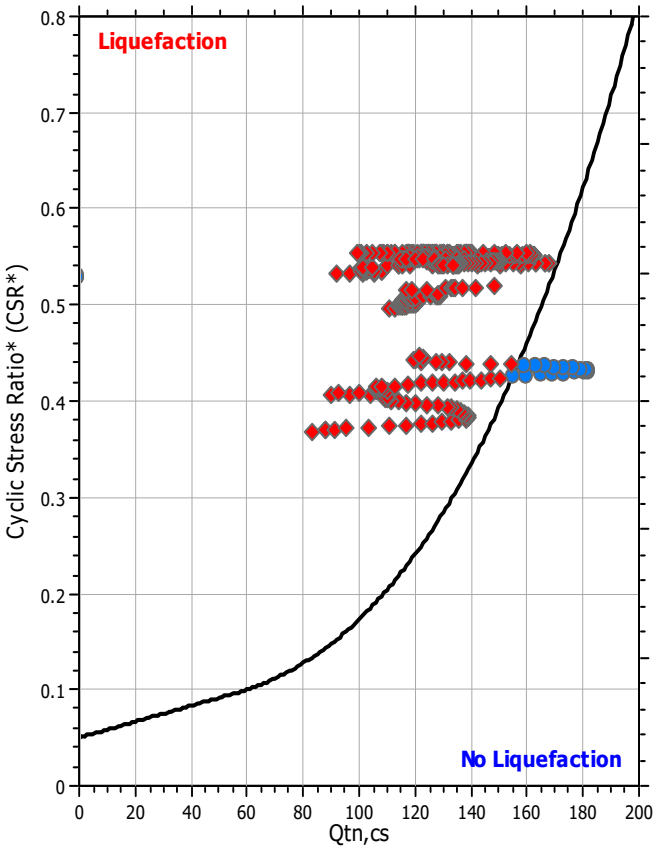


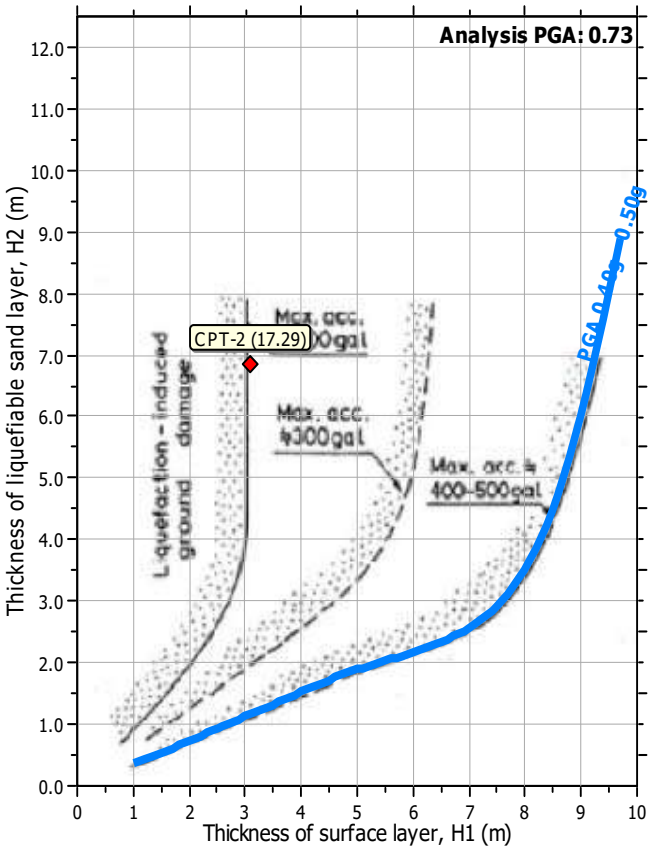


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots



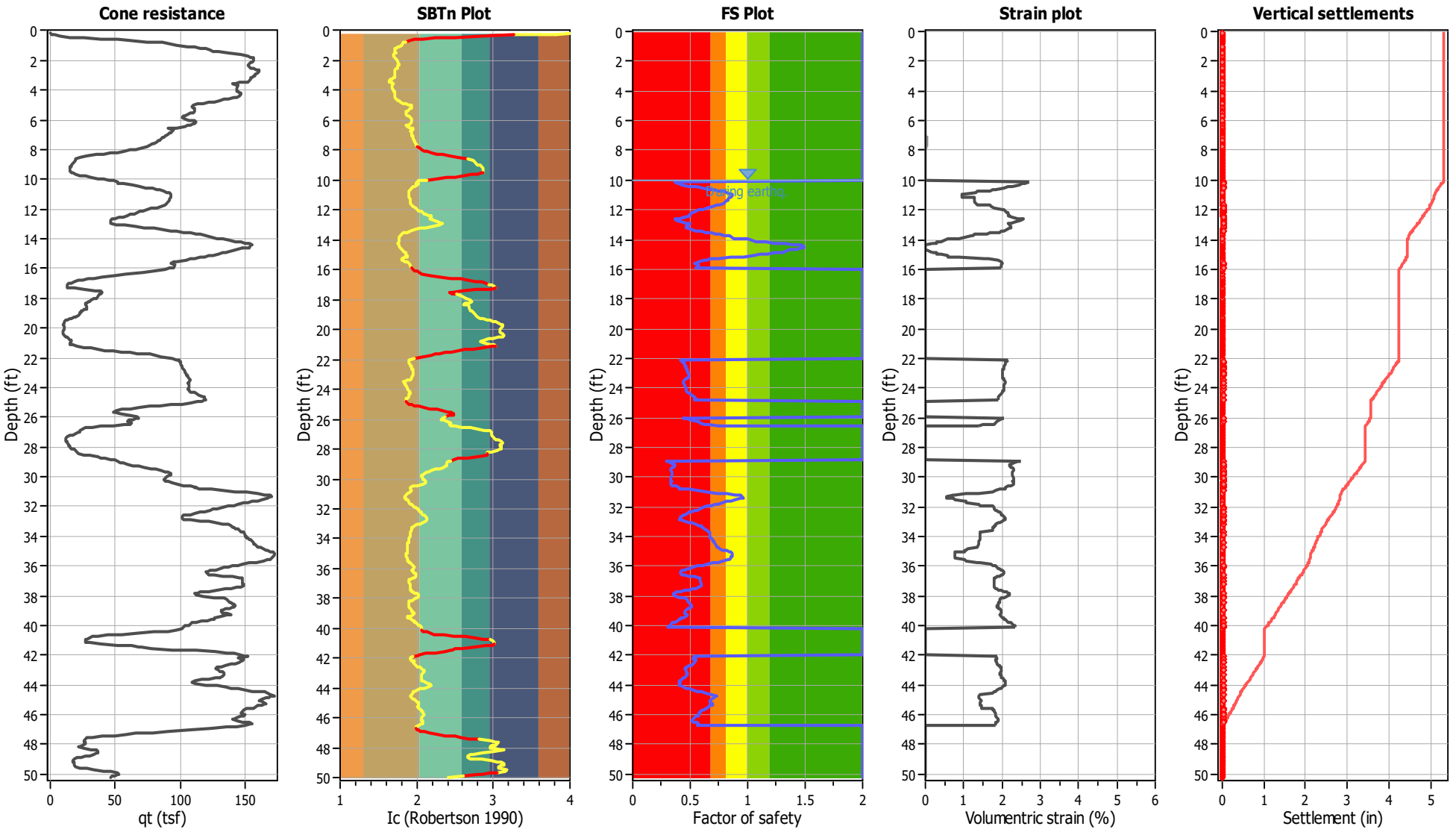




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.83	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.73	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

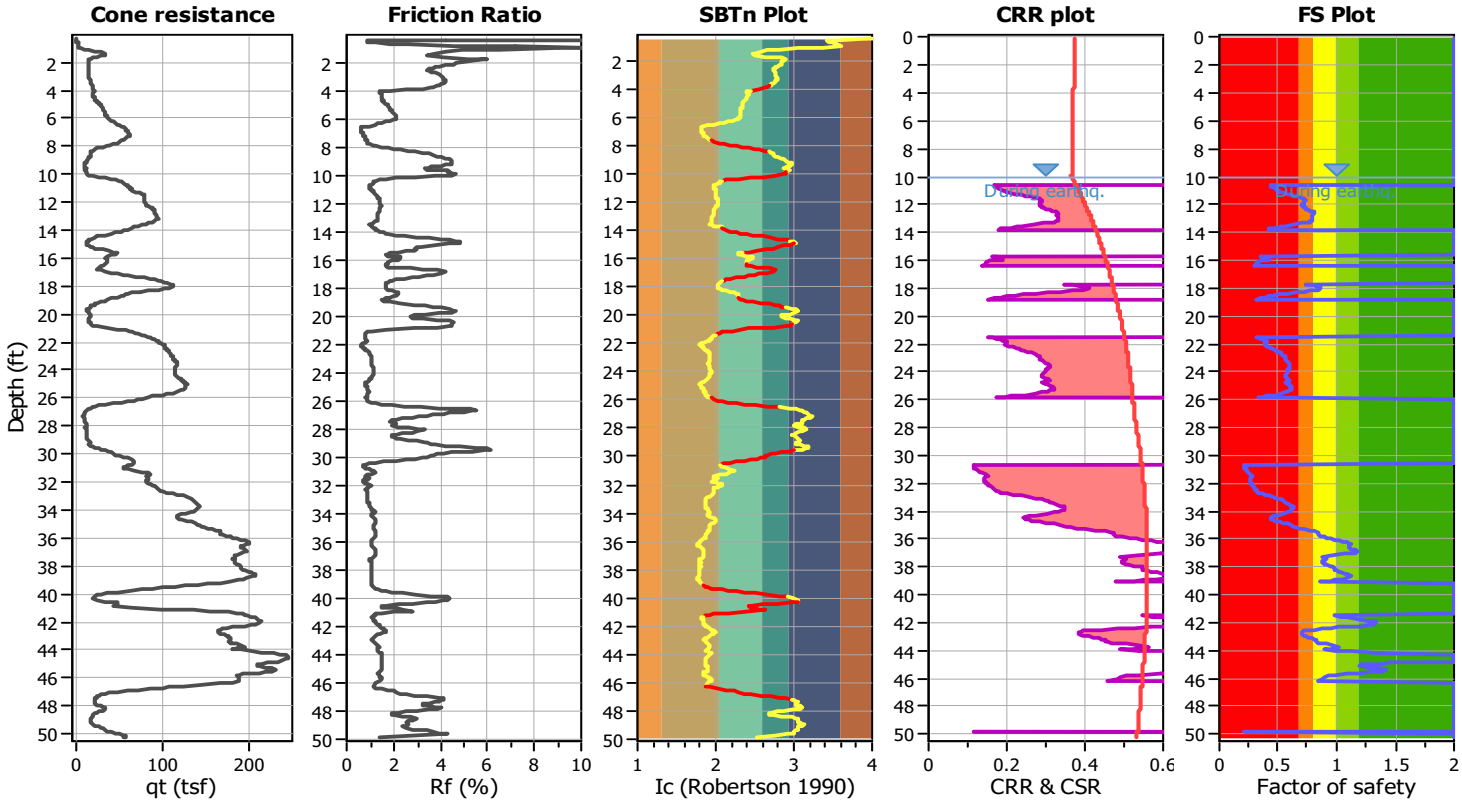
LIQUEFACTION ANALYSIS REPORT

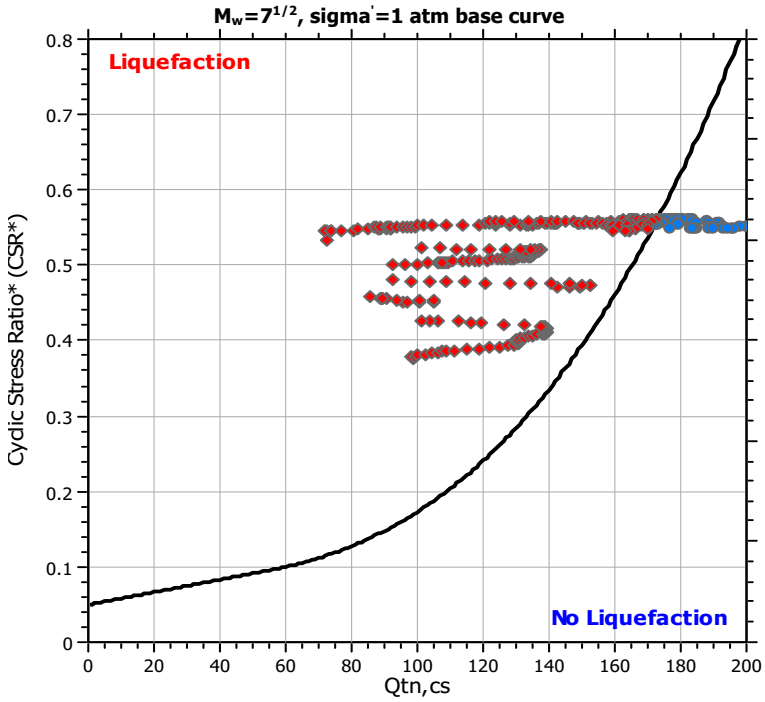
Project title : 3027.00 **Location : Artesia, CA**

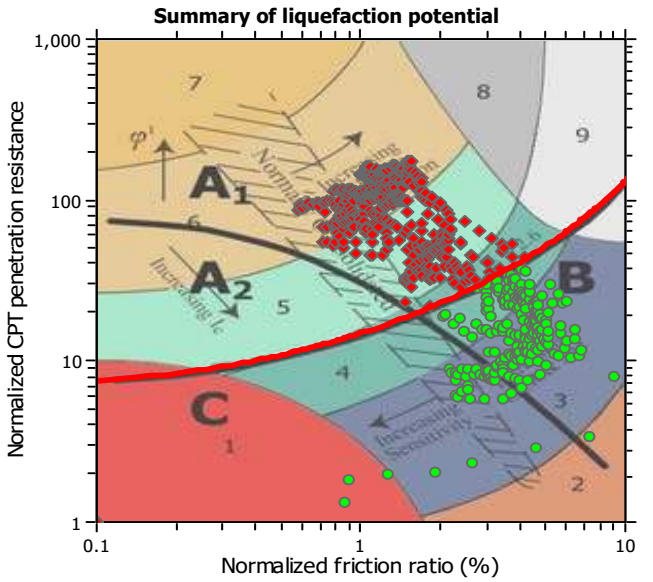
CPT file : CPT-3

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

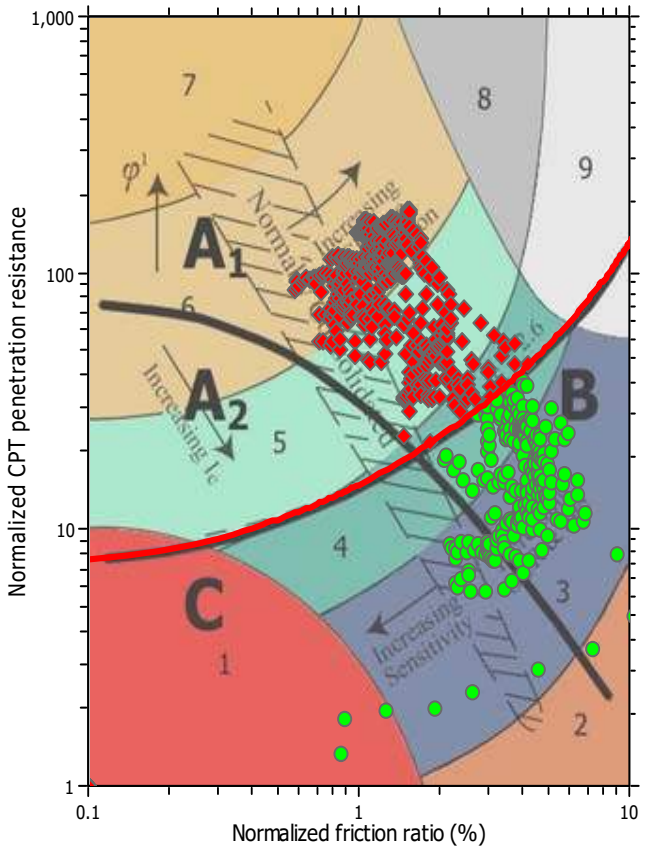


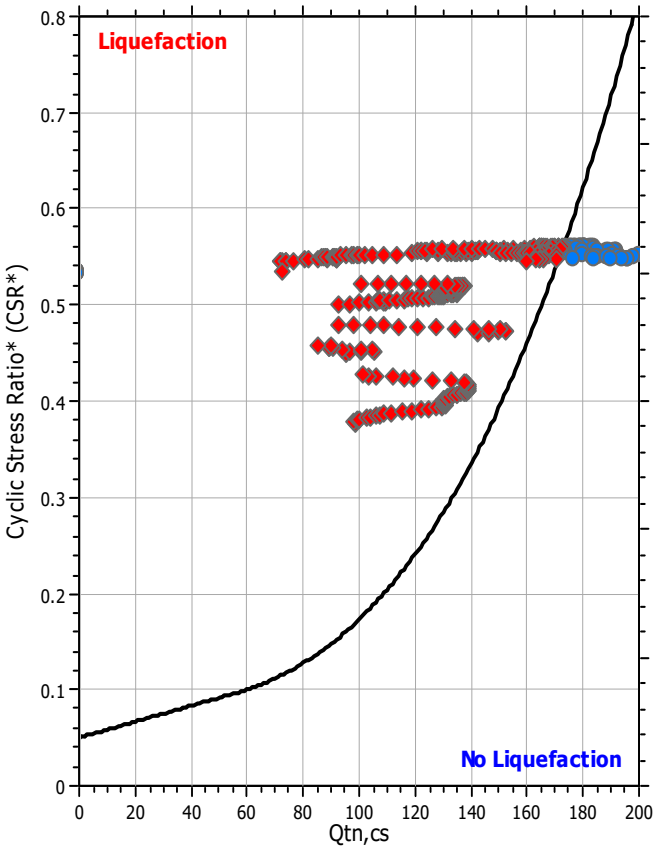


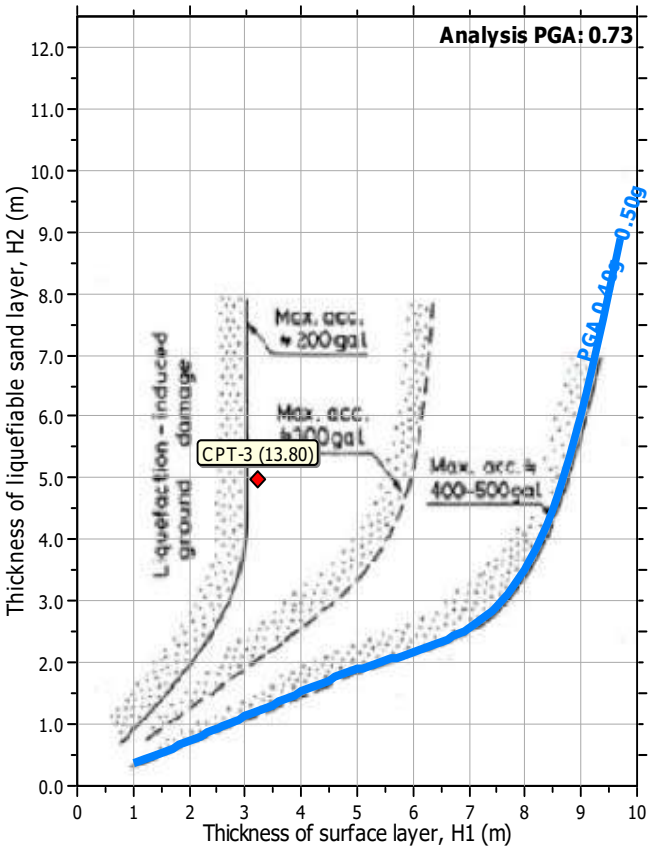


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots



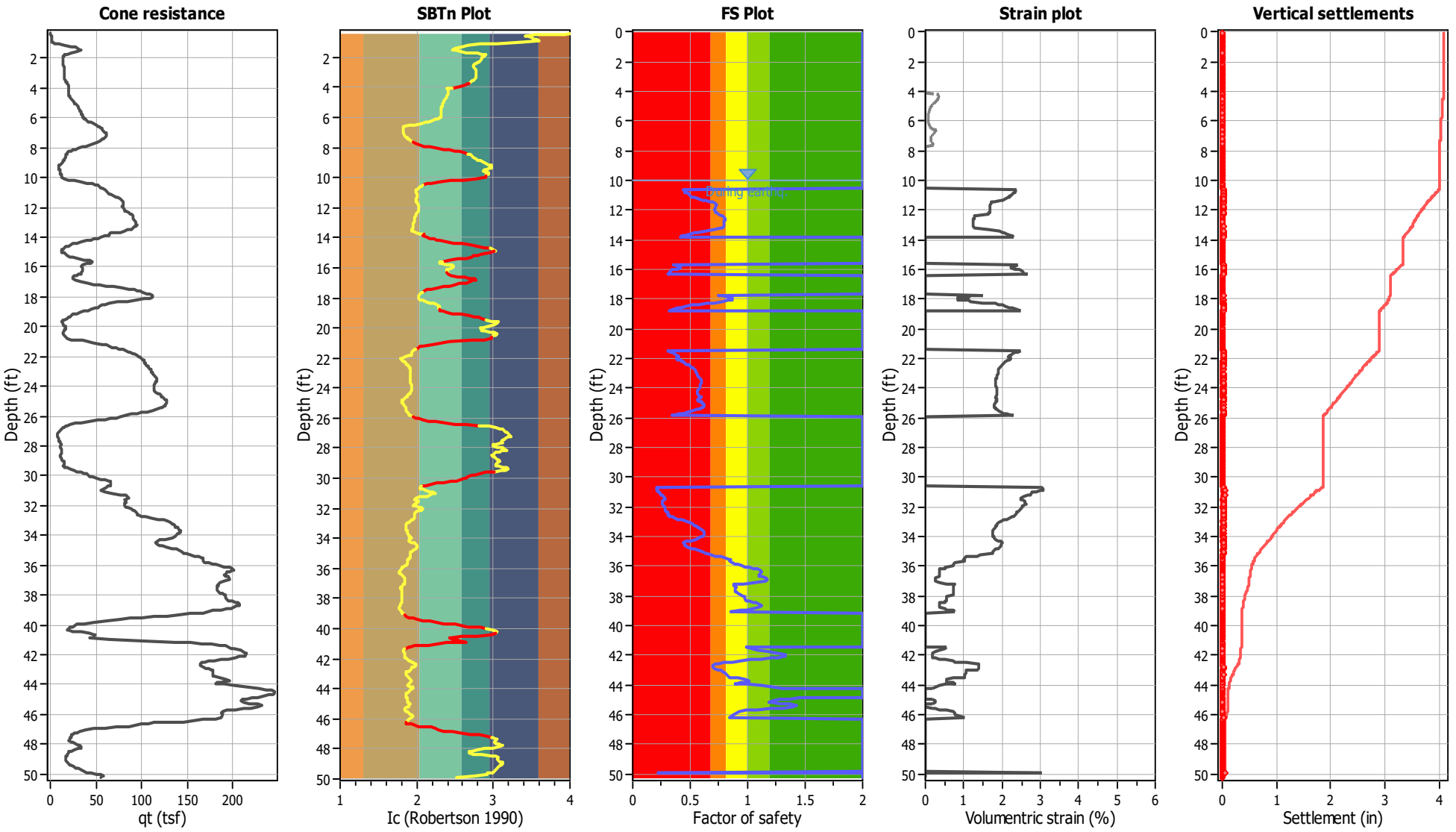




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.83	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.73	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

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I_c:	Soil Behaviour Type Index
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Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

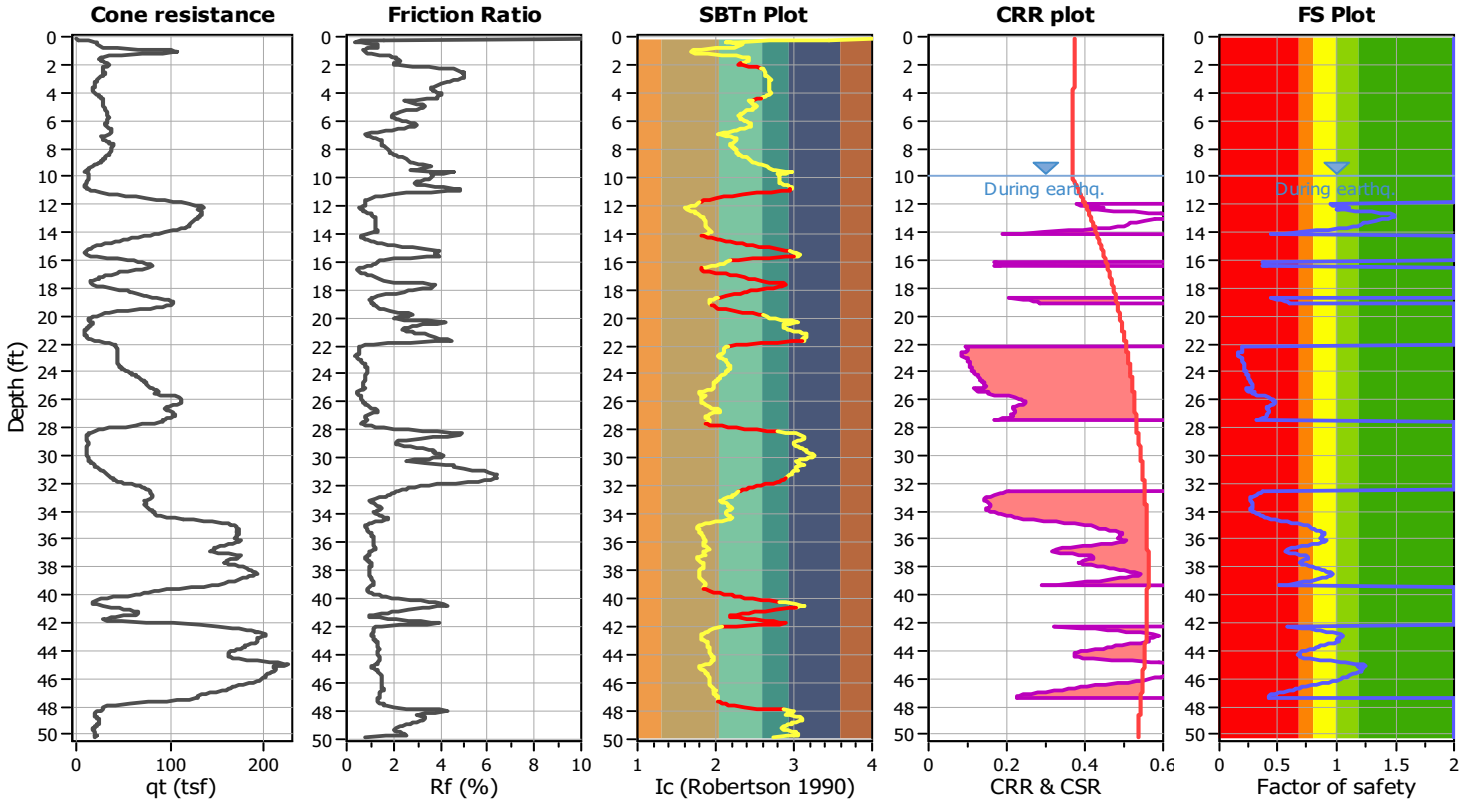
LIQUEFACTION ANALYSIS REPORT

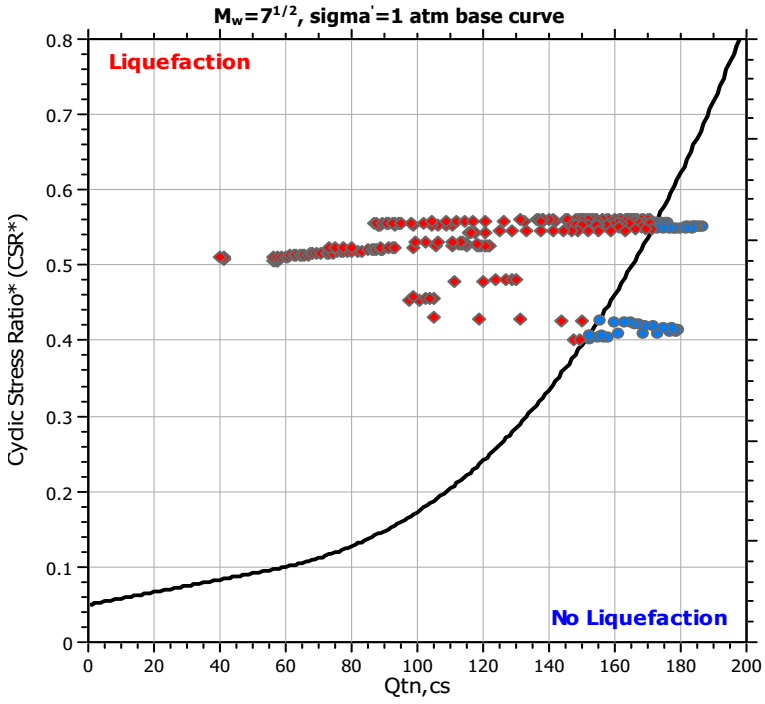
Project title : 3027.00 **Location : Artesia, CA**

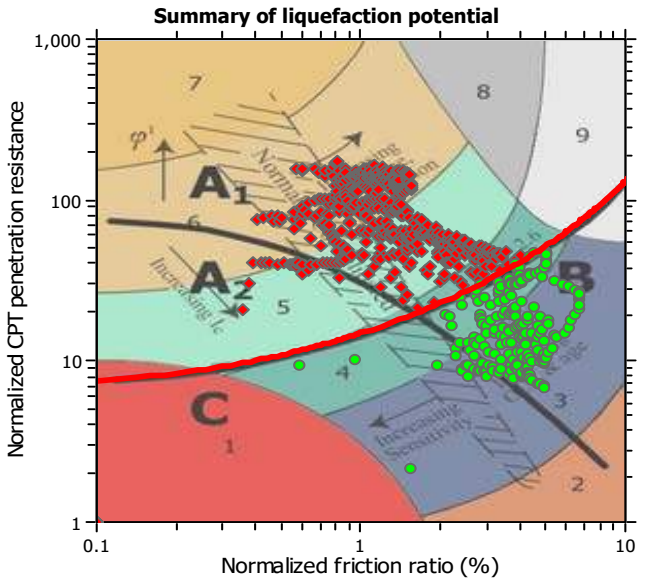
CPT file : CPT-4

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		







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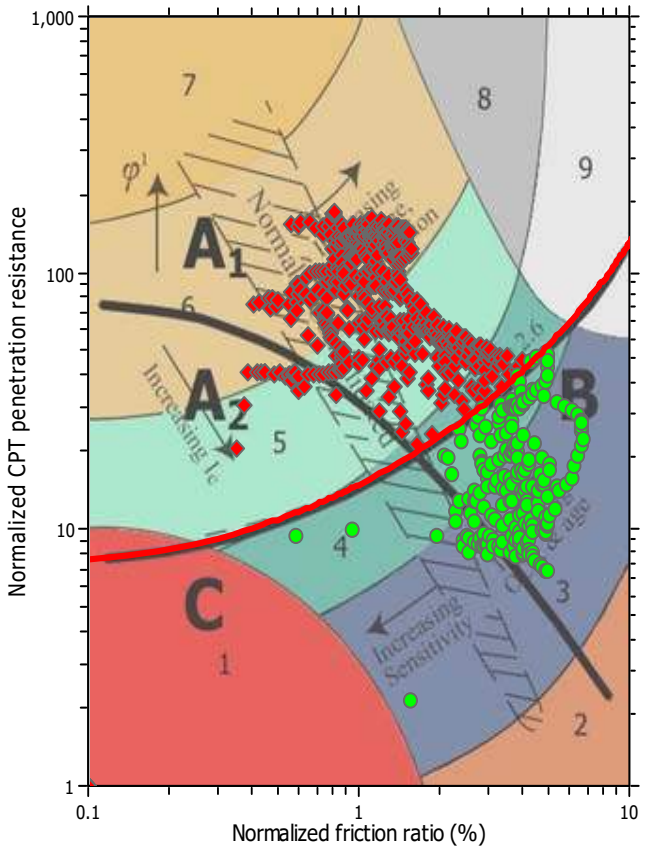
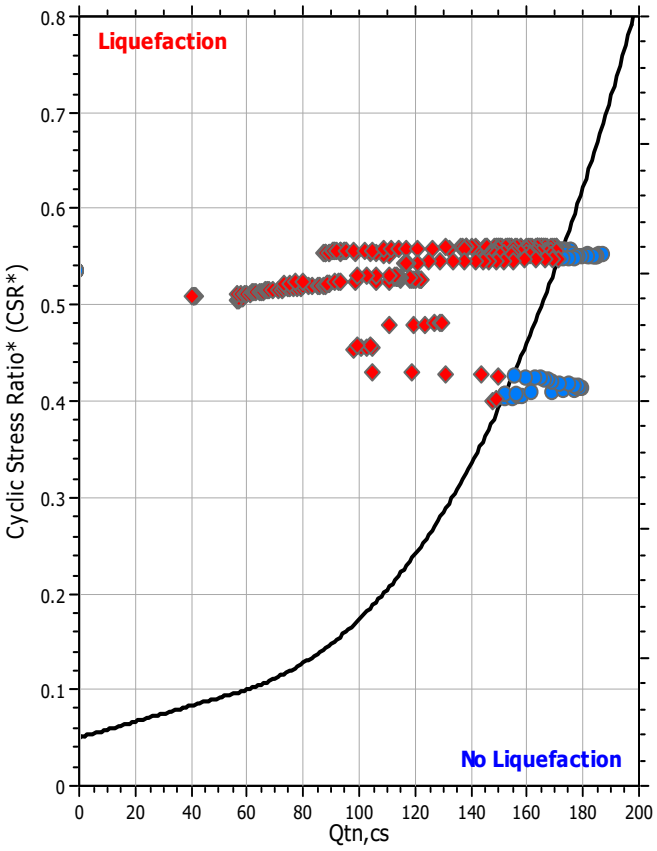
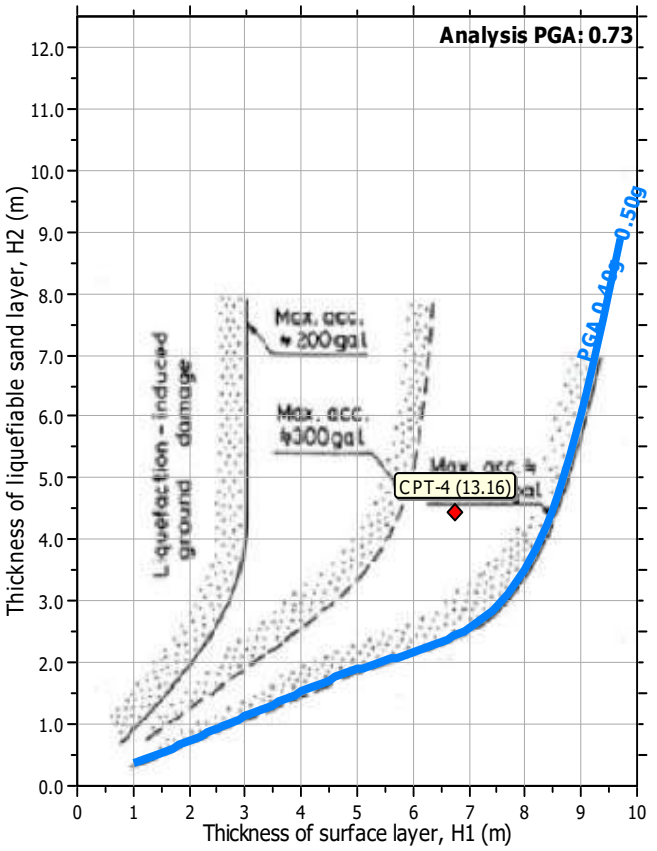
Liquefaction analysis summary plots







Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
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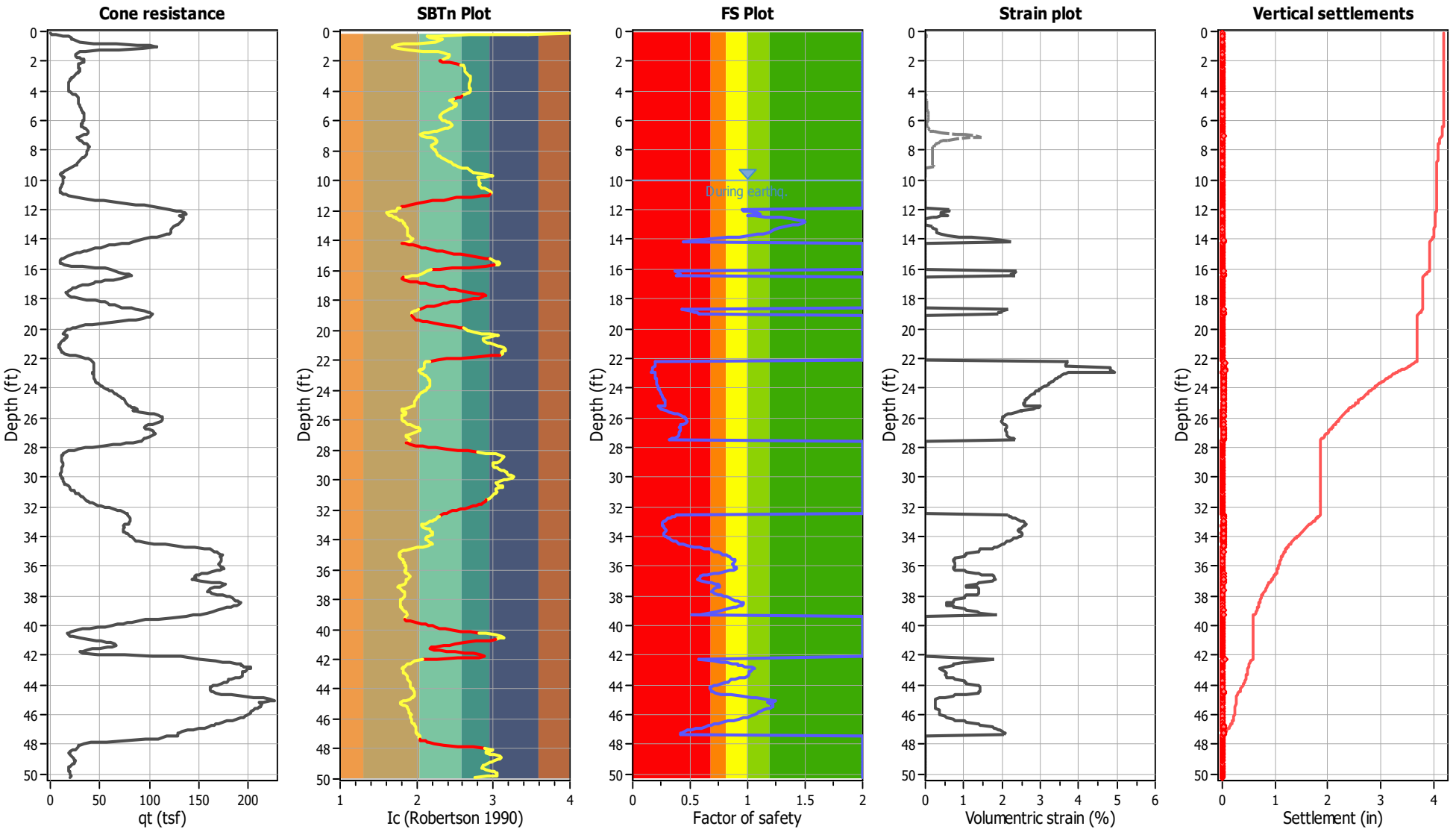

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formerly Albus-Keefe & Associates, Inc.

May 5, 2022
J.N.: 3027.00

Mr. Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, California 90249

Subject: **Preliminary Geotechnical Investigation for Proposed Water Quality Improvements, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California**

Dear Mr. Gardner,

Albus & Associates, Inc. has completed a preliminary geotechnical investigation of the site for evaluation of the percolation characteristics of the site soils. The scope of this investigation consisted of the following:

- Exploratory drilling and soil sampling
- Laboratory testing of selected soil samples
- Engineering analysis of the data
- Preparation of this report

SITE DESCRIPTION AND PROPOSED DEVELOPMENT

Site Location and Description

The site is located at the address of 11709 Artesia Boulevard within the city of Artesia, California. The site is bordered by Artesia Boulevard to the south, Fallon Avenue to the west, Alburtis Avenue to the east, and a commercial building and surface parking lots to the north. The location of the site and its relationship to the surrounding areas are shown in Figure 1, Site Location Map.

The site consists of approximately 3.33 acres of land with several industrial buildings, above-ground tanks, processing equipment, and above-ground piping. The remainder of the site consists of asphalt- and concrete-covered paving.

N

FIGURE 1-SITE LOCATION MAP

Proposed Industrial Development
11709 Artesia Boulevard,
Artesia, California

NOT TO SCALE

Proposed Development

Based on the project brochure prepared by Colliers, we understand that the proposed development will likely consist of one or two new industrial buildings at-grade parking as well as associated interior driveways, parking, underground utilities, and decorative hardscape and landscape areas.

No grading or structural plans were available in preparing this report. However, we anticipate that minor rough grading of the site will be required to achieve future surface configuration. Structural loads are anticipated to typically consist of 250 kips for columns and 6 kips/ft for walls.

SUMMARY OF FIELD AND LABORATORY WORK

Subsurface Investigation

Subsurface exploration for this investigation was conducted on November 2, 2021 and consisted of drilling three (3) soil borings to depths ranging from approximately 11.5 to 51.5 feet below the existing ground surface (bgs) and advancing four (4) Cone Penetration Test (CPT) soundings to a depth of 50 feet bgs. The borings were drilled using a truck-mounted, continuous flight, hollow-stem-auger drill rig. A representative of Albus & Associates, Inc. logged the exploratory borings. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented in the Exploration Logs in Appendix A. The CPT soundings were advanced using a 30-ton CPT truck. As the cone is advanced through the soil, direct measurements are obtained and recorded for tip resistance, side resistance and porewater measurements. The relationship between the tip resistance and the side resistance allows a determination of the general soil type. Following completion of the CPT soundings, a log is generated that provides a continuous profile of the tip resistance, side resistance and porewater measurements. The approximate locations of the exploratory excavations and CPT soundings completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed, and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory borings for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with bentonite and capped with concrete.

Laboratory Testing

Selected soil samples of representative earth materials were tested to assist in the formulation of conclusions presented in this report. Tests consisted of in-situ moisture contents and dry densities. Results of laboratory testing relevant to percolation characteristics are presented on the Exploration Logs in Appendix A.

ANALYSIS OF DATA

Subsurface Conditions

Descriptions of the earth materials encountered during our investigation are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the subject site consisted of approximately 2 feet of artificial fill over alluvial soils. The artificial fill is predominately comprised of interlayered grayish brown sandy silt and silty sand. These fill materials typically were observed to be damp to moist and medium dense.

Underlying the artificial fills are native soils consisting of young alluvial fan deposits (Qyf_a). The alluvial fan deposit materials were encountered to the maximum depth explored of 51.5 feet and are comprised of grayish brown to light gray, interlayered silty sand and sand that are damp to wet and loose to very dense. Occasional lenses and layers of sandy silt are also present that are generally very moist to wet and firm to very stiff.

Groundwater

Groundwater was encountered during this firm's subsurface exploration at a depth of 14 feet. The CDMG Special Report 019 suggests that historic high groundwater for the subject site is less than 10 feet below the ground surface.

CONCLUSIONS

Results of our work indicate a storm water disposal system is **not** feasible at the site. As discussed above, the historic groundwater level in this area is approximately 10 feet. Additionally, during our site investigation, groundwater was encountered at a depth of 14 feet below ground surface. In accordance with the County of Los Angeles GS200.1 guidelines, the invert of the stormwater infiltration shall be at least 10 feet above the design groundwater elevation. Additionally, the upper 6 feet of materials encountered at the site included artificial fills and inter-layers of fine-grained alluvium. Such materials would create geotechnical hazards such as ponding under foundations. It would also introduce water to subsurface soils that are potentially susceptible to liquefaction. As such, the site is **not** feasible for infiltration.

LIMITATIONS

This report is based on the geotechnical data as described herein. The materials encountered in our boring excavations and utilized in our laboratory testing for this investigation are believed representative of the project area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observations by a geotechnical consultant during the construction phase of the storm water infiltration systems are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein.

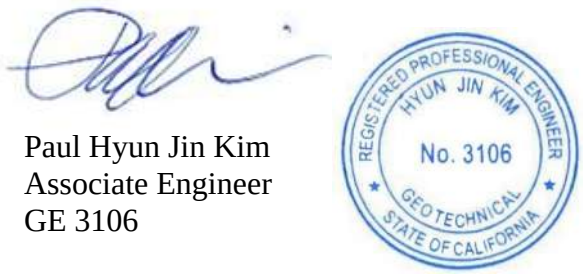
This report has been prepared for the exclusive use of **G3 Urban** to assist the project consultants in the design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS & ASSOCIATES, INC



Paul Hyun Jin Kim
Associate Engineer
GE 3106

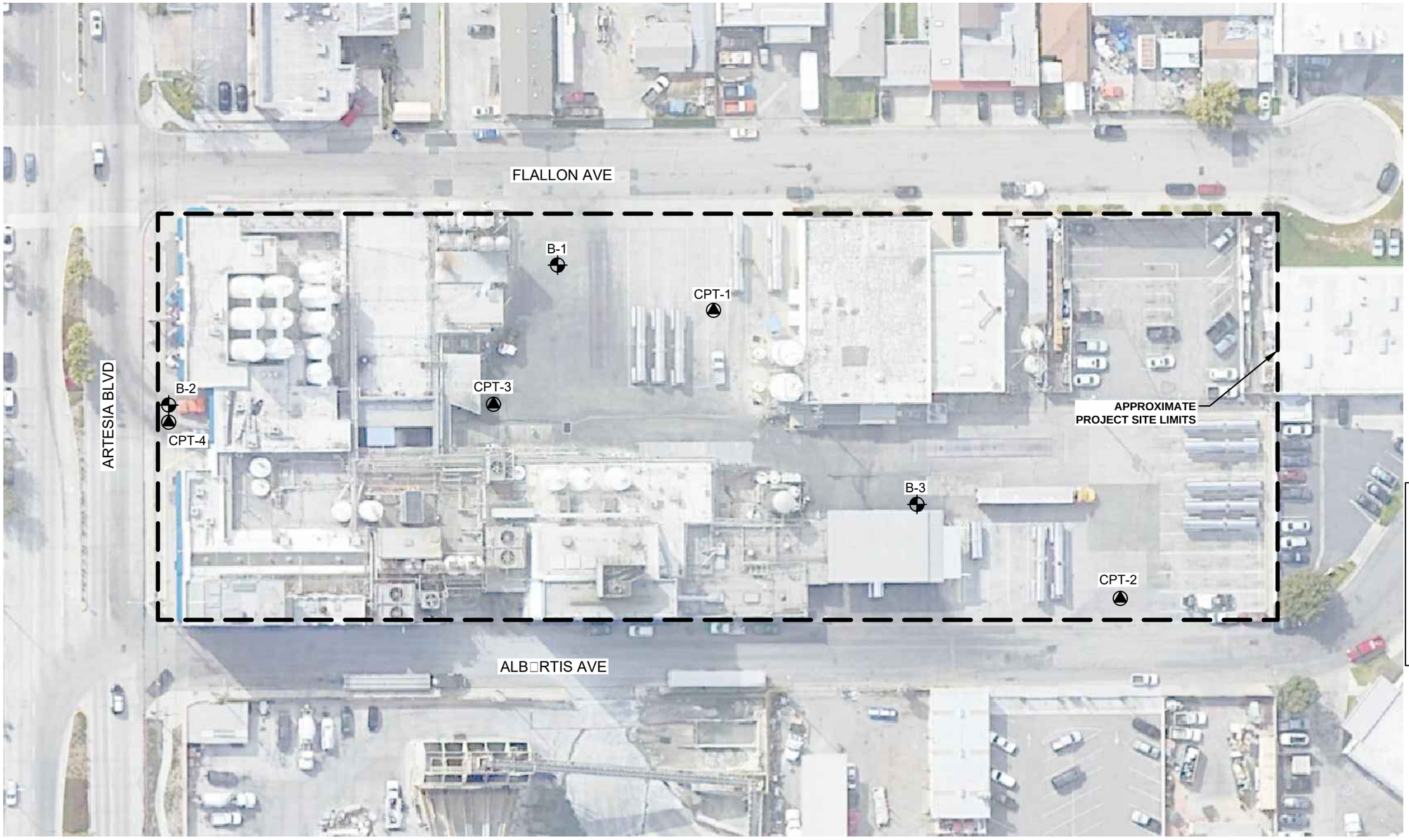
Enclosures: Plate 1- Geotechnical Map
Appendix A - Exploratory Logs

REFERENCES

Publications and Reports

California Department of Conservation, Division of Mines and Geology, Seismic Hazard Report 029, "Seismic Hazard Zone Report for the Los Angeles 7.5-Minute Quadrangle, Los Angeles County, California", 1998.

Guidelines for Geotechnical Investigation and Reporting Low Impact Development Stormwater Infiltration, by County of Los Angeles, Department of Public Works, Geotechnical and Materials Engineering Division (GS200.1), dated 6/30/2021.



Google 2021

0 30 60 120

APPROX SCALE : 1" □ 60□

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- CPT

ALBUS ASSOCIATES

GEOTECHNICAL MAP

Job No.: 3027.00	Date: XX/XX/2021	Plate: 1

APPENDIX A

EXPLORATORY LOGS

Field Identification Sheet

Light gray

Gray

Dark gray

Gray Brown

Light brown

Brown

Dark Brown

Olive brown

Olive

Yellow

Yellowish brown

Yellowish red

Red

Reddish Brown

Tan

Description Order:

Description, Color, Moisture, Density, Grain Size, Additional Description

Description	%	Example
	0-5	Sand
trace	5-15	Sand trace Silt
with	15-30	Sand with Silt
	30+	Silty Sand

More Examples

Sand with Silt trace Clay

Sand trace Silt and Clay

Sand with Silt and Clay

Gravelly Sand with Silt trace Clay

Silty Clay with Sand trace Gravel

Moisture

Dry	absence of water
Damp	below optimum
Moist	near optimum
Very Moist	above optimum
Wet	free water visible

Density (Navfac)

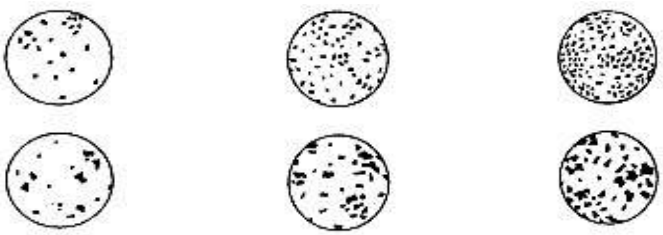
Coarse grained soils	SPT	CA
Very Loose	0-3	0-5
Loose	3-8	5-13
Medium Dense	8-14	13-22
Dense	14-25	22-40
Very Dense	25>	40>
Fine grained soils		
Very Soft	2<	0-3
Soft	2-4	3-6
Medium Stiff	4-8	6-13
Stiff	8-15	13-24
Very Stiff	15-30	24-48
Hard	30>	48>

Grain Size

Description		Sieve Size	Approx. Size
Boulders		>12"	Larger than basketball
Cobbles		3-12"	Fist to basketball
Gravel	coarse	3/4-3"	Thumb to Fist
	fine	#4-3/4"	Pea to Thumb
Sand	coarse	#10-4	Rock Salt to Pea
	medium	#40-10	Sugar to Rock Salt
	fine	#200-40	Flour to Sugar
Fines		Pass #200	Smaller than Flour

Additional Description (ie. roots, pinhole pores, debris, etc.)

Trace 5% Moderate 15% Abundant 30%



EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		EXPLANATION							
		Solid lines separate geologic units and/or material types.							
		Dashed lines indicate unknown depth of geologic unit change or material type change.							
5		**Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD).							
		Double triangle in core column represents SPT sampler.							
10		**Vertical Lines** in core column represents Shelby sampler.							
		Solid black rectangle in Bulk column respresents large bag sample.							
		Other Laboratory Tests:							
15		Max = Maximum Dry Density/Optimum Moisture Content							
		EI = Expansion Index							
		SO4 = Soluble Sulfate Content							
		DSR = Direct Shear, Remolded							
		DS = Direct Shear, Undisturbed							
		SA = Sieve Analysis (1" through #200 sieve)							
		Hydro = Particle Size Analysis (SA with Hydrometer)							
20		200 = Percent Passing #200 Sieve							
		Consol = Consolidation							
		SE = Sand Equivalent							
		Rval = R-Value							
		ATT = Atterberg Limits							

EXPLORATION LOG

Project:		Location: B-1
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 54.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							Max EI SO4 DS RVal pH Resist Ch Consol ATT
		ARTIFICIAL FILL (Af) Sandy Silt (ML): Grayish brown, moist, fine grained sand		14	■	■	22.4	100.7	
		ALLUVIUM (Qal) Sandy Silt (ML): Grayish brown, moist, stiff, fine grained sand, moderate pinhole pores		15	■	■	19.1	104.5	
5		@ 4 ft, more fine grained sand present Sand trace Silt (SP): Light gray, moist, loose, fine to medium grained sand		9	■		11.9	100.5	
10		Sandy Silt / Silty Sand (ML/SM): Grayish brown, very moist, stiff / medium dense, fine grained sand	▽	17	■		20.1	99.8	
15		Sand trace Silt (SP): Grayish brown, wet, medium dense, fine to medium grained sand		14	⧗				
20		Sandy Silt (SM): Grayish brown, wet, medium stiff, fine grained sand		4	⧗				200
25		Sand trace Silt (SP): Light gray, wet, medium dense, fine to medium grained sand		16	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							
		ARTIFICIAL FILL (Af)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, fine grained sand		17	■		24.2	97.9	Consol
		ALLUVIUM (Qal)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, medium dense, fine grained sand, trace pinhole pores, decayed rootlets		15	■		19.4	100.5	
5		Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand		12	■		15.7	90.7	
		Silty Sand (SM): Light grayish brown, very moist, loose, fine grained sand							
10		Sandy Silt trace Clay (ML): Grayish brown, very moist, stiff, fine grained sand		18	■		12.6	98.8	Consol
		Silty Sand (SM): Grayish brown, very moist, medium dense, fine grained sand							
		Sand trace Silt (SP): Grayish brown, very moist, medium dense, fine to medium grained sand	▽						
15		Silty Sand (SM): Grayish brown, wet, medium dense, fine grained sand, significant fines		12	▼				
		@ 16.3 ft, Gray							
20		Silty Sand (SM): Grayish brown, wet, loose, fine grained sand		6	▼				200
25		Sand trace Silt (SP): Light grayish brown, wet, dense, fine to medium grained sand		19	▼				

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Silty Sand trace Clay (SM): Grayish brown, wet, medium dense, fine grained sand		8					200
35		Sand trace Silt (SP): Grayish brown, wet, dense, fine to medium grained sand		25					
40		Sandy Silt (ML): Gray, wet, very stiff, fine grained sand		13					200
45		Sand (SP): Grayish brown, wet, very dense, fine to medium grained sand		35					
50		Sandy Silt (ML): Grayish brown, wet, very stiff, fine grained sand		11					
		Total Depth 51.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-3
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 57
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		concrete with rebar							
		ARTIFICIAL FILL (Af) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, fine grained sand		15	■		20.9	102.9	
		ALLUVIUM (Qal) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand, trace pinhole pores		13	■		19.2	101.8	
5		@ 4 ft, loose / stiff Silty Sand (SM): Grayish brown, moist, loose, fine grained sand		11	■		15.3	97	Consol
10		@ 10 ft, very moist, medium dense	▽	17	■		15.4	93.2	
15		Sand trace Silt and Clay (SP): Grayish brown, wet, loose, fine grained sand		4	⧗				
		Silty Sand (SM): Gray, wet, loose, fine to medium grained sand							
20		Silty Sand with Clay (SM): Grayish brown, wet, loose, fine grained sand		4	⧗				200
25		Sand (SP): Grayish brown, wet, medium dense, fine to medium grained sand		11	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

SUMMARY

OF

CONE PENETRATION TEST DATA

Project:

180 Flallon Avenue
Artesia, CA
November 2, 2021

Prepared for:

Mr. Danny Albus
Albus & Associates
1011 N. Armando Street
Anaheim, CA 92806-2606
Office (714) 630-1626 / Fax (714) 630-1916

Prepared by:

KEHOE TESTING & ENGINEERING
5415 Industrial Drive
Huntington Beach, CA 92649-1518
Office (714) 901-7270 / Fax (714) 901-7289
www.kehoetesting.com

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2. **SUMMARY OF FIELD WORK**
3. **FIELD EQUIPMENT & PROCEDURES**
4. **CONE PENETRATION TEST DATA & INTERPRETATION**

APPENDIX

- CPT Plots
- CPT Classification/Soil Behavior Chart
- CPT Data Files (sent via email)

SUMMARY

OF

CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the project located at 180 Flallon Avenue in Artesia, California. The work was performed by Kehoe Testing & Engineering (KTE) on November 2, 2021. The scope of work was performed as directed by Albus & Associates personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at four locations to determine the soil lithology. A summary is provided in **TABLE 2.1**.

LOCATION	DEPTH OF CPT (ft)	COMMENTS/NOTES:
CPT-1	50	
CPT-2	50	
CPT-3	50	
CPT-4	50	

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone with a cone net area ratio of 0.83. The following parameters were recorded at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for up to 2 years for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil behavior type on the CPT plots is derived from the attached CPT SBT plot (Robertson, "Interpretation of Cone Penetration Test…", 2009) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

The CPT data files have also been provided. These files can be imported in CPeT-IT (software by GeoLogismiki) and other programs to calculate various geotechnical parameters.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING

Steven P. Kehoe
President

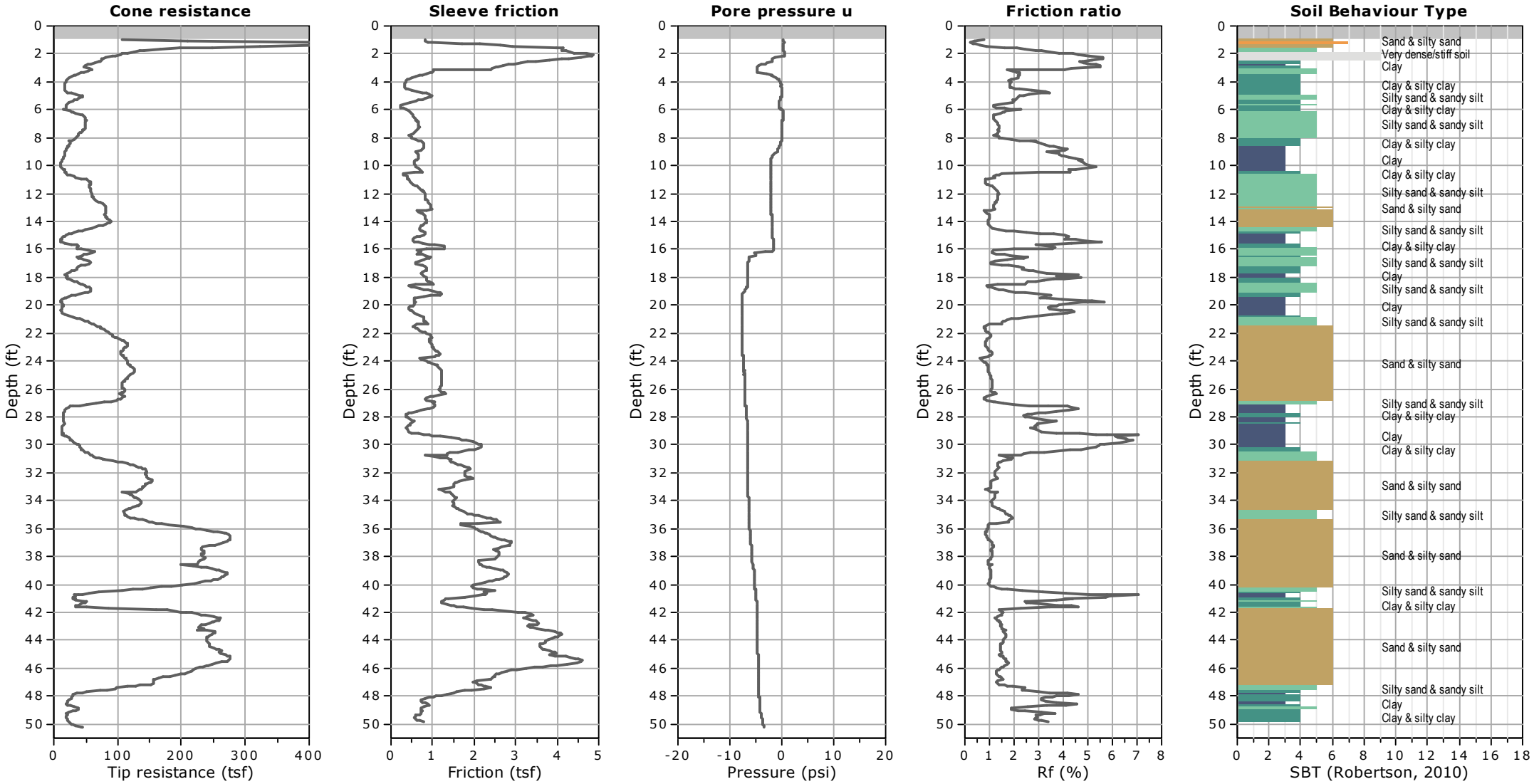
11/04/21-hh-3536

APPENDIX

Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

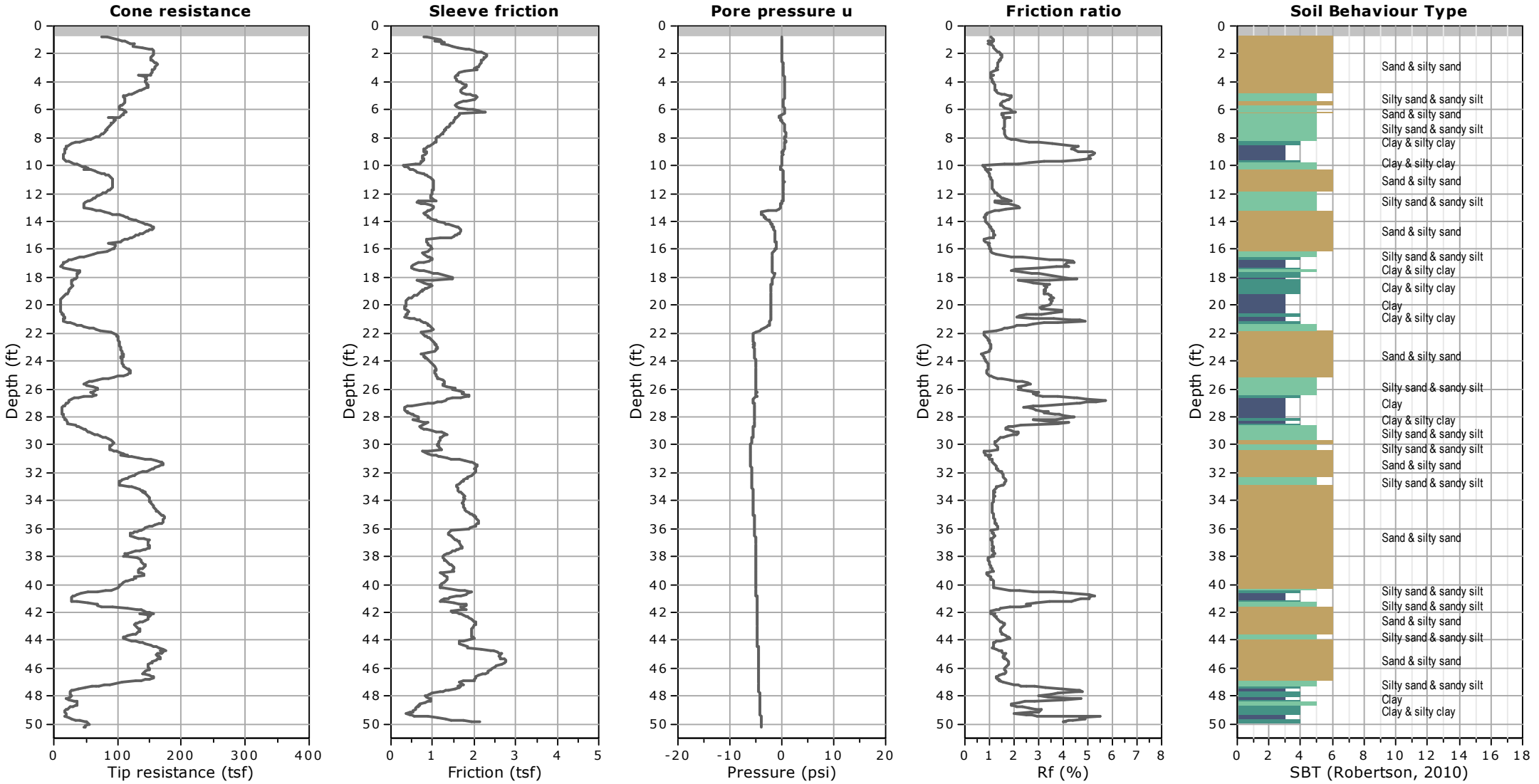
CPT-1
Total depth: 50.20 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

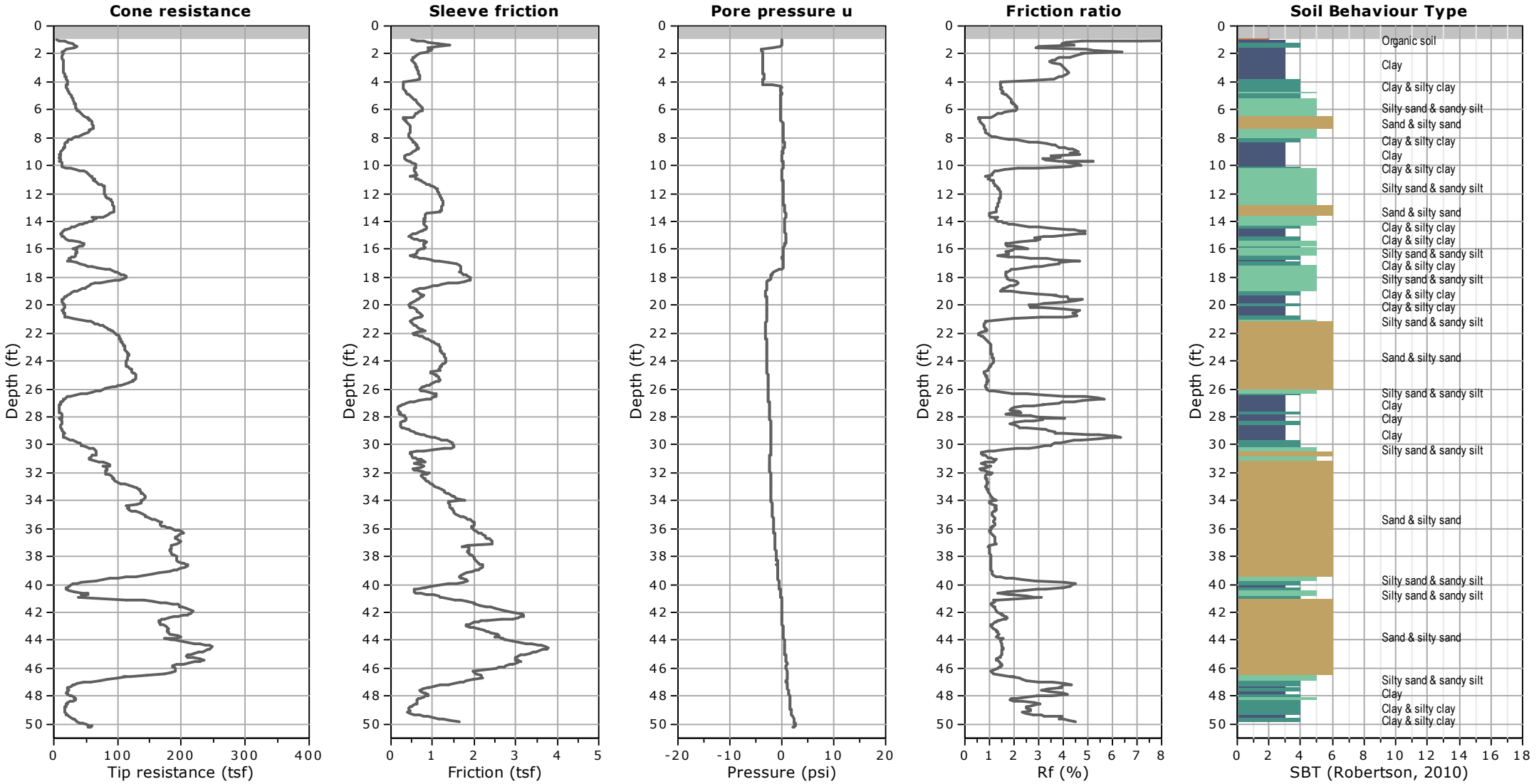
CPT-2
Total depth: 50.22 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

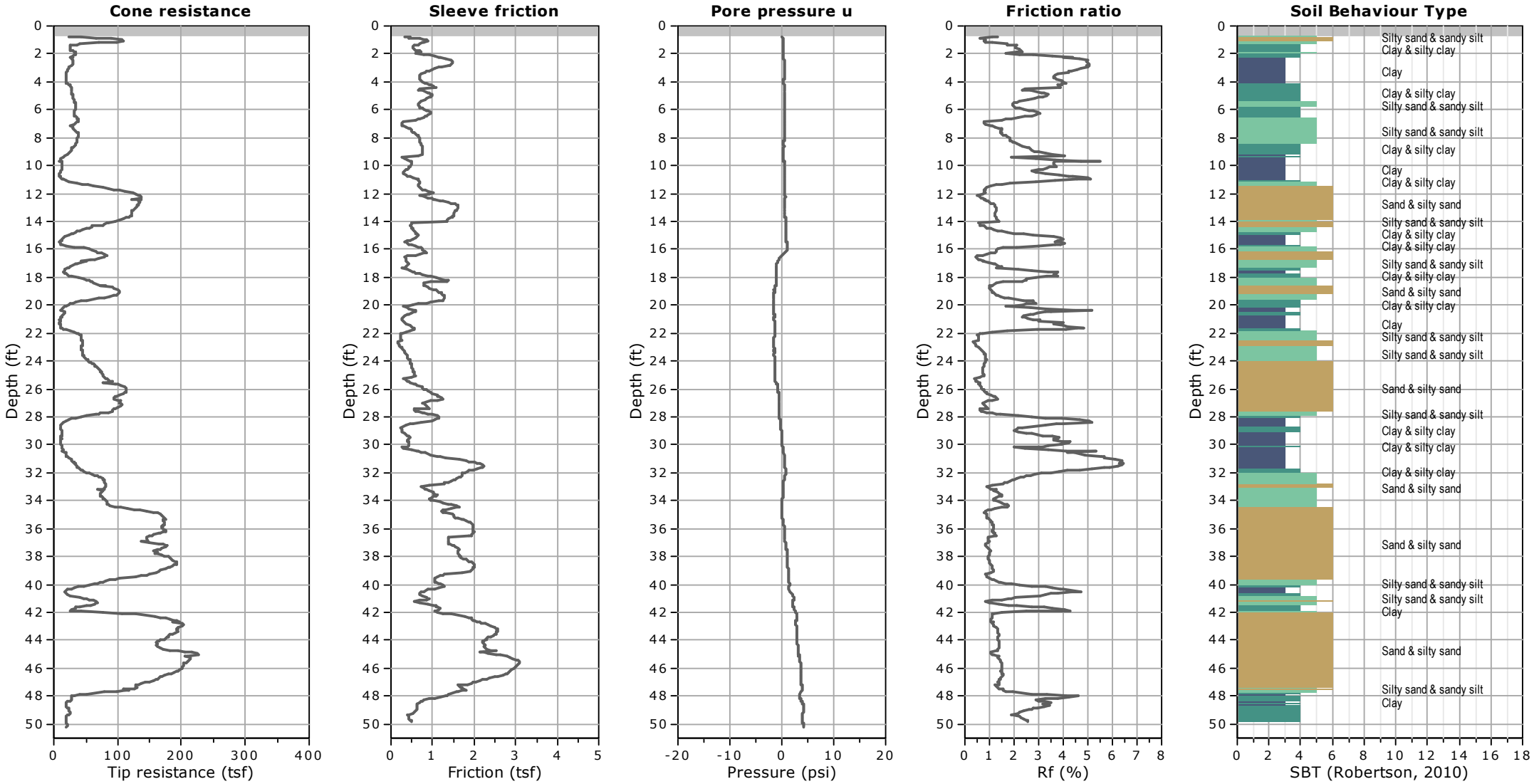
CPT-3
Total depth: 50.24 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-4
Total depth: 50.22 ft, Date: 11/2/2021



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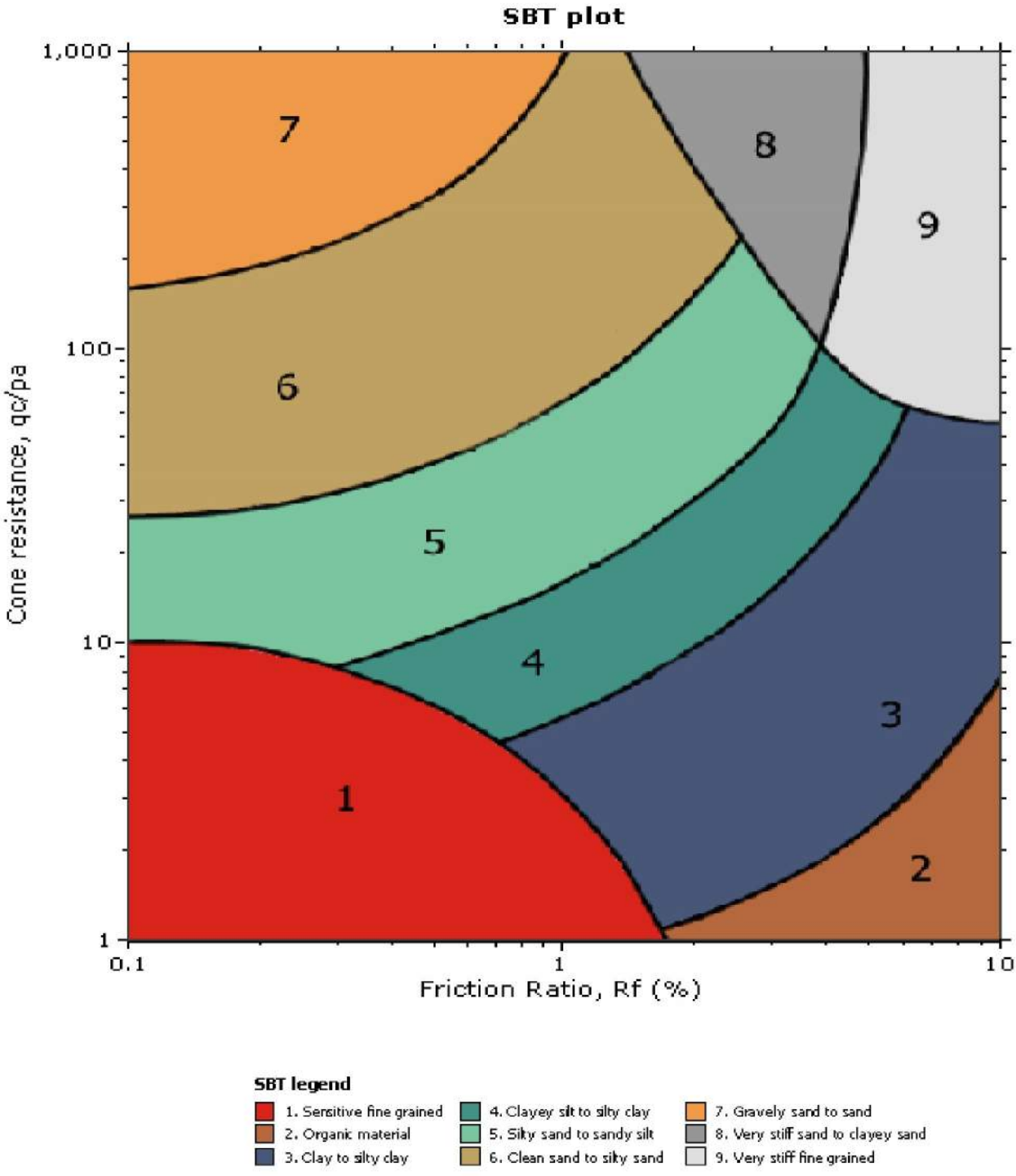
steve@kehoetesting.com
www.kehoetesting.com



THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT AND NOTICE OF SCOPING MEETING FOR THE ARTESIA PLACE PROJECT (ARTESIA BOULEVARD CORRIDOR SPECIFIC PLAN AMENDMENT)

ATTENTION:	Agencies, Organizations, and Interested Parties
DATE:	August 10, 2022
CASE NO:	2022-13
PROJECT NAME:	Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)
CEQA LEAD AGENCY:	City of Artesia
NOTICE OF SCOPING MEETING LOCATION:	August 16, 2022 at 5:30 P.M. to 6:30 P.M. Council Chambers of Artesia City Hall 18747 Clarkdale Avenue Artesia, CA 90701
COMMENT PERIOD:	August 10, 2022 to September 9, 2022 5:00 P.M.
DOCUMENT AVAILABILITY:	The Artesia Place Project Initial Study can be viewed here: https://www.cityofartesia.us/336/Community-Development

The City of Artesia (City) intends to prepare a Draft Environmental Impact Report (EIR) for the proposed Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment) (Project). In accordance with State California Environmental Quality Act (CEQA) Guidelines Section 15082, the City has prepared this Notice of Preparation to provide the public, nearby residents and property owners, responsible and trusty agencies, and other interested parties with information describing the Project and its potential environmental effects.

The Draft EIR will be prepared by outside consultants under the supervision of the City of Artesia Planning Department. The City requests your written comments as to the Draft EIR's scope and content, including mitigation measures to avoid/reduce the Project's potential environmental impacts. Comments must be submitted in writing according to directions below. If you represent a public agency, the City seeks written comments as to the scope and content of the environmental information in the Draft EIR.

A Public Scoping Meeting will be held to receive input as to what environmental topics the Draft EIR should study. No decisions about the Project are made at the Public Scoping Meeting. Additional Project details, meeting information, and instructions for public comment submittal are provided below.

PROJECT LOCATION:
The Project site consists of two parcels: Assessor Parcel Number 7035-016-064 is approximately 3.3-acres in size and located at 11709 Artesia Boulevard□Assessor Parcel Number 7035-020-056 is 0.23 acre in size and located at 17212 Alburtis Avenue. The Project site is generally bound by industrial uses on the north, Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. The Project site is located in Quadrant 2 of the Artesia Boulevard

Corridor Specific Plan (ABCSP) Area. The Project site boundaries are shown in **Figure 1: Project Site Boundary Within ABCSP**.

PROJECT DESCRIPTION:
The Project proposes construction and operation of a mixed-use development comprised of 80 dwelling units (D□) and approximately 8,650 square feet (SF) of commercial uses. Specifically, the Project proposes to develop: one building with approximately 2,700 SF of commercial uses□ one mixed-use building with approximately 3,450 SF of commercial uses on the ground level with 4 carriage-type townhome units above□8 shopkeeper units – commerical condominiums totaling 2,500 SF on the ground level with townhomes above□9 live/work townhome units□and 59 three-story townhome units. The Project also proposes approximately 40,265 SF of open space, a 462-SF pool building, 216 vehicle parking spaces, and 40 bicycle parking spaces. Project construction is anticipated to occur over approximately 24 months, beginning September 2023 and ending August 2025. The requested approvals include: a General Plan Amendment□a Zoning Code Text Amendment to amend the ABCSP to permit residential uses, establish a maximum allowable development within the Project site, and amend the ABCSP's Design Standards and Guidelines (among other chapters)□Design Review□Vesting Tentative Tract Map, and a Development Agreement.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:
The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is a "Potentially Significant Impact" as shown on the checklist, below.

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

PUBLIC SCOPING MEETING:
A Public Scoping Meeting will be held to share Project information, explain the environmental review process, and receive written public comments regarding the scope and content of the environmental analysis to be addressed in the Draft EIR. City staff, environmental consultants, and Project representatives will be available. You may stop by at any time between 5:30 P.M. and 6:30 P.M. at the location specified below to view materials, ask questions, and provide written comments. The City encourages all interested individuals and organizations to attend this Public Scoping Meeting.

Written comments may be submitted, but there will be no verbal comments or public testimony taken at the Public Scoping Meeting. Furthermore, no decisions about the Project will be made at the Public Scoping Meeting. The date, time, and location of the Public Scoping Meeting are as follows:

Date: August 16, 2022
Time: 5:30 P.M. – 6:30 P.M.
Location: Council Chambers of Artesia City Hall
18747 Clarkdale Avenue, Artesia, CA 90701

FILE REVIEW AND COMMENTS:
The Initial Study is available for public review and download at: https://www.cityofartesia.us/336/Community-Development

Copies of the Initial Study are also available for public review at the following locations:

- Artesia City Hall, Planning Department, 18747 Clarkdale Avenue, Artesia, CA 90701
- Artesia Public Library, 18801 Elaine Avenue, CA 90701
- Artesia Public Park, 18750 Clarkdale Avenue, Artesia, CA 90701

Please contact the City of Artesia Staff Planner, listed below, if you are having issues accessing the Initial Study document.

SUBMITTAL OF WRITTEN COMMENTS:
The City solicits comments regarding the scope, content and specificity of the Draft EIR from all interested parties, responsible agencies, agencies with jurisdiction by law, trustee agencies, and involved agencies. The City will consider all written comments regarding the Project's potential environmental impacts and issues to be addressed in the Draft EIR.

Please submit all comments in writing so they are received no later than September 9, 2022, 5:00 P.M.

Please direct your comments to:

E-mail: Planning@cityofartesia.us

Mail: City of Artesia
Planning Department
ATTN: Okina Dor, Community Development Director
18747 Clarkdale Avenue
Artesia, CA 90701

Fax: (562) 865-6240

THE CITY REQUESTS THAT ALL WRITTEN COMMENTS BE SUBMITTED ELECTRONICALLY VIA EMAIL. WRITTEN COMMENTS WILL ALSO BE ACCEPTED VIA MAIL AND FACSIMILIE, AND AT THE PUBLIC SCOPING MEETING.

In accordance with State CEQA Guidelines Section 15082, this Notice of Preparation is being circulated for a 30-day comment period. The City of Artesia requests that written comments be provided at the earliest possible date, but no later than 5:00 P.M. on September 9, 2022.

Okina Dor
Community Development Director
City of Artesia
(562) 865-6262 x227

Attachments:
Figure 1: Project Site Boundary Within ABCSP

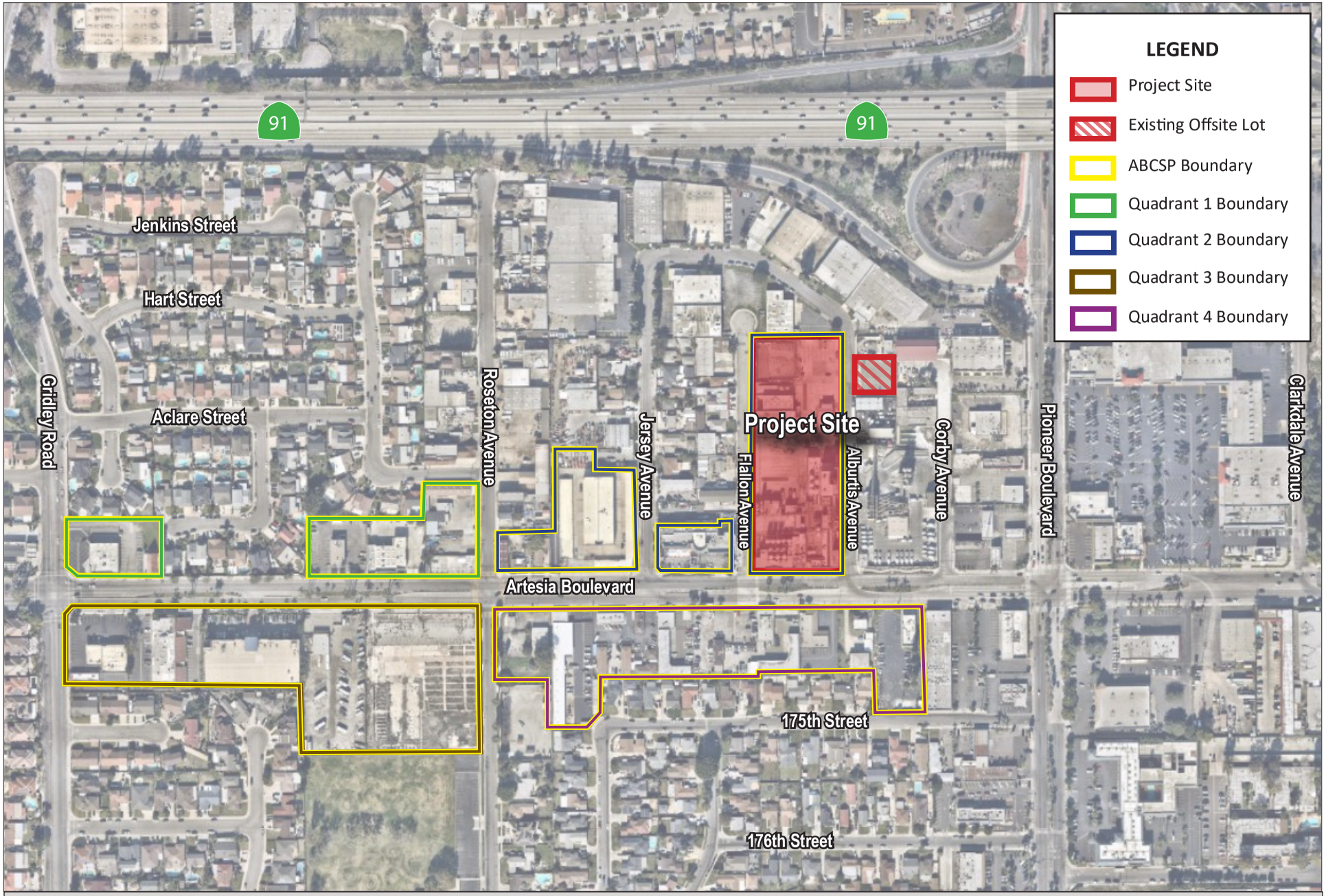


FIGURE 1: PROJECT SITE BOUNDARY WITHIN ABCSP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

Robert C Verhoeven
17633 Barber Avenue
Artesia CA 90701-3832

RCV

August 12, 2022

ATTN: Okina Dor, Community Development Director
City of Artesia
18747 Clarkdale Ave
Artesia, CA 90701

RECEIVED
AUG 12 REC'D
PLANNING DEPARTMENT

RE: Artesia Place Project(Case#2022-13)

I have been a business owner and citizen of Artesia for over 50 years.

While I realize the project in question is being driven by RHNA provisions, I personally have no issue with the city's desire to add housing. I do however, have a problem with the specifics of this project, namely, constructing it next to National Ready Mixed Concrete. Traffic patterns in this immediate area would become very problematic with 80 dwelling units, retail space, and 216 parking spaces.

I can foresee future residents complaining to the city about living next to a thriving concrete facility even though this business has been extremely productive for Artesia for longer than Artesia has existed. They are most likely the top sales tax producer for this city and we can ill afford to damage this long-time relationship with National Ready Mix.

Having stated this, the Southwest corner of Artesia Blvd and Roseton Ave seems to be the perfect site for this project. It has been an eyesore since Armstrong Nursery left town. I believe it provides very similar square footage.

I will attend the August 16 meeting and look forward to hearing information.

Sincerely,

Robert Verhoeven

Phone: (562)924-5419 trojanrobt@aol.com

P: (626) 381-9248
F: (626) 389-5414
E: info@mitchtsailaw.com

Mitchell M. Tsai
Attorney At Law

139 South Hudson Avenue
Suite 200
Pasadena, California 91101

VIA E-MAIL

August 16, 2022

City of Artesia
Planning Department
18747 Clarkdale Ave.
Artesia, CA 90701
Em: planning@cityofartesia.us

RECEIVED
AUG 16 REC'D
PLANNING DEPARTMENT

RE: Artesia Place Project [SCH No. 20220802]

Dear City of Artesia,

On behalf of the Southwest Regional Council of Carpenters ("**Southwest Carpenter**" or "**SWRCC**"), my Office is submitting these comments regarding the City of Artesia's ("**City**") Artesia Place Project ("**Project**").

The Southwest Carpenters is a labor union representing 50,000 union carpenters in six states, including California, and has a strong interest in well-ordered land use planning and addressing the environmental impacts of development projects. Individual members of the Southwest Carpenters live, work and recreate in the City and surrounding communities and would be directly affected by the Project's environmental impacts.

SWRCC expressly reserves the right to supplement these comments at or prior to hearings on the Project, and at any later hearings and proceedings related to this Project. Cal. Gov. Code § 65009(b); Cal. Pub. Res. Code § 21177(a); *Bakersfield Citizens for Local Control v. Bakersfield* (2004) 124 Cal. App. 4th 1184, 1199-1203; see *Galante Vineyards v. Monterey Water Dist.* (1997) 60 Cal. App. 4th 1109, 1121.

I. THE CITY SHOULD REQUIRE THE USE OF A LOCAL SKILLED AND TRAINED WORKFORCE TO BENEFIT THE COMMUNITY'S ECONOMIC DEVELOPMENT AND ENVIRONMENT

The City should require the use of workers who have graduated from a Joint Labor Management apprenticeship training program approved by the State of California, or have at least as many hours of on-the-job experience in the applicable craft which

would be required to graduate from such a state approved apprenticeship training program or who are registered apprentices in an apprenticeship training program approved by the State of California.

Community benefits such as local hire and skilled and trained workforce requirements can be helpful to reduce environmental impacts and improve the positive economic impact of the Project. Local hire provisions requiring that a certain percentage of workers reside within 10 miles or less of the Project Site can reduce the length of vendor trips, reduce greenhouse gas emissions and providing localized economic benefits. As environmental consultants Matt Hagemann and Paul E. Rosenfeld note:

> [A]ny local hire requirement that results in a decreased worker trip length from the default value has the potential to result in a reduction of construction-related GHG emissions, though the significance of the reduction would vary based on the location and urbanization level of the project site.

March 8, 2021 SWAPE Letter to Mitchell M. Tsai re Local Hire Requirements and Considerations for Greenhouse Gas Modeling.

Skilled and trained workforce requirements promote the development of skilled trades that yield sustainable economic development. As the California Workforce Development Board and the UC Berkeley Center for Labor Research and Education concluded:

> . . . labor should be considered an investment rather than a cost – and investments in growing, diversifying, and upskilling California's workforce can positively affect returns on climate mitigation efforts. In other words, well trained workers are key to delivering emissions reductions and moving California closer to its climate targets.[1]

Local skilled and trained workforce requirements and policies have significant environmental benefits since they improve an area's jobs-housing balance, decreasing the amount of and length of job commutes and their associated greenhouse gas emissions. Recently, on May 7, 2021, the South Coast Air Quality Management District found that that the "[u]se of a local state-certified

---

[1] California Workforce Development Board (2020) Putting California on the High Road: A Jobs and Climate Action Plan for 2030 at p. ii, *available at* https://laborcenter.berkeley.edu/wp-content/uploads/2020/09/Putting-California-on-the-High-Road.pdf.

apprenticeship program or a skilled and trained workforce with a local hire component" can result in air pollutant reductions.[2]

Cities are increasingly adopting local skilled and trained workforce policies and requirements into general plans and municipal codes. For example, the City of Hayward 2040 General Plan requires the City to "promote local hiring . . . to help achieve a more positive jobs-housing balance, and reduce regional commuting, gas consumption, and greenhouse gas emissions."[3]

In fact, the City of Hayward has gone as far as to adopt a Skilled Labor Force policy into its Downtown Specific Plan and municipal code, requiring developments in its Downtown area to require that the City "[c]ontribute to the stabilization of regional construction markets by spurring applicants of housing and nonresidential developments to require contractors to utilize apprentices from state-approved, joint labor-management training programs, . . ."[4] In addition, the City of Hayward requires all projects 30,000 square feet or larger to "utilize apprentices from state-approved, joint labor-management training programs."[5]

Locating jobs closer to residential areas can have significant environmental benefits. . As the California Planning Roundtable noted in 2008:

> People who live and work in the same jurisdiction would be more likely to take transit, walk, or bicycle to work than residents of less balanced communities and their vehicle trips would be shorter. Benefits would

---

[2] South Coast Air Quality Management District (May 7, 2021) Certify Final Environmental Assessment and Adopt Proposed Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions Program, and Proposed Rule 316 – Fees for Rule 2305, Submit Rule 2305 for Inclusion Into the SIP, and Approve Supporting Budget Actions, *available at* http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2021/2021-May7-027.pdf?sfvrsn=10

[3] City of Hayward (2014) Hayward 2040 General Plan Policy Document at p. 3-99, *available at* https://www.hayward-ca.gov/sites/default/files/documents/General_Plan_FINAL.pdf.

[4] City of Hayward (2019) Hayward Downtown Specific Plan at p. 5-24, *available at* https://www.hayward-ca.gov/sites/default/files/Hayward%20Downtown%20Specific%20Plan.pdf.

[5] City of Hayward Municipal Code, Chapter 10, § 28.5.3.020(C).

> include potential reductions in both vehicle miles traveled and vehicle hours traveled.[6]

In addition, local hire mandates as well as skill training are critical facets of a strategy to reduce vehicle miles traveled. As planning experts Robert Cervero and Michael Duncan noted, simply placing jobs near housing stock is insufficient to achieve VMT reductions since the skill requirements of available local jobs must be matched to those held by local residents.[7] Some municipalities have tied local hire and skilled and trained workforce policies to local development permits to address transportation issues. As Cervero and Duncan note:

> In nearly built-out Berkeley, CA, the approach to balancing jobs and housing is to create local jobs rather than to develop new housing." The city's First Source program encourages businesses to hire local residents, especially for entry- and intermediate-level jobs, and sponsors vocational training to ensure residents are employment-ready. While the program is voluntary, some 300 businesses have used it to date, placing more than 3,000 city residents in local jobs since it was launched in 1986. When needed, these carrots are matched by sticks, since the city is not shy about negotiating corporate participation in First Source as a condition of approval for development permits.

The City should consider utilizing skilled and trained workforce policies and requirements to benefit the local area economically and mitigate greenhouse gas, air quality and transportation impacts.

---

[6] California Planning Roundtable (2008) Deconstructing Jobs-Housing Balance at p. 6, *available at* https://cproundtable.org/static/media/uploads/publications/cpr-jobs-housing.pdf

[7] Cervero, Robert and Duncan, Michael (2006) Which Reduces Vehicle Travel More: Jobs-Housing Balance or Retail-Housing Mixing? Journal of the American Planning Association 72 (4), 475-490, 482, *available at* http://reconnectingamerica.org/assets/Uploads/UTCT-825.pdf.

II. DUE TO THE COVID-19 CRISIS, THE CITY SHOULD CONSIDER AND MITIGATE SUBSTANTIAL ADVERSE EFFECT ON HUMAN BEINGS

CEQA requires that an agency consider adverse effects on human beings. PRC § 21083(b)(3); CEQA Guidelines § 15065(a)(4). Public health risks related to construction work has been defined as a Lower to High-risk activity for COVID-19 spread by the Occupations Safety and Health Administration and several construction sites have been identified as sources of community spread of COVID-19.[8]

Accordingly, the City should adopt CEQA mitigation measures to mitigate public health risks from the Project's construction activities. SWRCC requests that the City require safe on-site construction work practices as well as training and certification for any construction workers on the Project Site.

In particular, based upon SWRCC's experience with safe construction site work practices, SWRCC recommends that the City require that while construction activities are being conducted at the Project Site:

Construction Site Design:

- The Project Site will be limited to two controlled entry points.
- Entry points will have temperature screening technicians taking temperature readings when the entry point is open.
- The Temperature Screening Site Plan shows details regarding access to the Project Site and Project Site logistics for conducting temperature screening.
- A 48-hour advance notice will be provided to all trades prior to the first day of temperature screening.
- A perimeter fence directly adjacent to the entry points will be clearly marked indicating the appropriate 6-foot social distancing position for when you approach the screening area.

---

[8] Santa Clara County Public Health (June 12, 2020) COVID-19 CASES AT CONSTRUCTION SITES HIGHLIGHT NEED FOR CONTINUED VIGILANCE IN SECTORS THAT HAVE REOPENED, *available at* https://www.sccgov.org/sites/covid19/Pages/press-release-06-12-2020-cases-at-construction-sites.aspx.

- There will be clear signage posted at the Project site directing you through temperature screening.
- Provide hand washing stations throughout the construction site.

Testing Procedures:

- The temperature screening being used are non-contact devices.
- Temperature readings will not be recorded.
- Personnel will be screened upon entering the testing center and should only take 1-2 seconds per individual.
- Hard hats, head coverings, sweat, dirt, sunscreen or any other cosmetics must be removed on the forehead before temperature screening.
- Anyone who refuses to submit to a temperature screening or does not answer the health screening questions will be refused access to the Project Site.
- Screening will be performed at entrances from 5:30 am to 7:30 am.
- After 7:30 a.m., only the main gate entrance [ZONE 1] will continue to be used for temperature testing for anybody gaining entry to the project site such as returning personnel, deliveries, and visitors.
- If the digital thermometer displays a temperature reading above 100.0 degrees Fahrenheit, a second reading will be taken to verify an accurate reading.
- If the second reading confirms an elevated temperature, the individual will be instructed that he/she will not be allowed to enter the Project Site. The individual will also be instructed to promptly notify his/her supervisor and his/her human resources (HR) representative.

Planning

- Require the development of an Infectious Disease Preparedness and Response Plan that will include basic infection prevention

measures (requiring the use of personal protection equipment), policies and procedures for prompt identification and isolation of sick individuals, social distancing (prohibiting gatherings of no more than 10 people including all-hands meetings and all-hands lunches), and training and workplace controls that meet standards that may be promulgated by the Center for Disease Control, Occupational Safety and Health Administration, Cal/OSHA, California Department of Public Health, or applicable local public health agencies.[9]

The United Brotherhood of Carpenters and Carpenters International Training Fund has developed COVID-19 Training and Certification to ensure that Carpenter union members and apprentices conduct safe work practices. Likewise, the City should require that all construction workers undergo COVID-19 Training and Certification before being allowed to conduct construction activities at the Project Site.

III. CONCLUSION

In accordance with the above, SWRCC requests that the City require a local and trained workforce as well as safe on-site construction work practices and COVID-19 training for the Project. Should the City have any questions, please feel free to reach out to our office.

Sincerely,

Talia Nimmer
Attorneys for Southwest Regional
Council of Carpenters

[9] *See also* The Center for Construction Research and Training, North America's Building Trades Unions (April 27 2020) NABTU and CPWR COVIC-19 Standards for U.S Constructions Sites, *available at* https://www.cpwr.com/wp-content/uploads/publications/NABTU_CPWR_Standards_COVID-19.pdf; Los Angeles County Department of Public Works (2020) Guidelines for Construction Sites During COVID-19 Pandemic, *available at* https://dpw.lacounty.gov/building-and-safety/docs/pw_guidelines-construction-sites.pdf.

Attached:

March 8, 2021 SWAPE Letter to Mitchell M. Tsai re Local Hire Requirements and Considerations for Greenhouse Gas Modeling (Exhibit A);

Air Quality and GHG Expert Paul Rosenfeld CV (Exhibit B); and

Air Quality and GHG Expert Matt Hagemann CV (Exhibit C).

EXHIBIT A

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

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March 8, 2021

Mitchell M. Tsai
155 South El Molino, Suite 104
Pasadena, CA 91101

Subject: Local Hire Requirements and Considerations for Greenhouse Gas Modeling

Dear Mr. Tsai,

Soil Water Air Protection Enterprise ("SWAPE") is pleased to provide the following draft technical report explaining the significance of worker trips required for construction of land use development projects with respect to the estimation of greenhouse gas ("GHG") emissions. The report will also discuss the potential for local hire requirements to reduce the length of worker trips, and consequently, reduced or mitigate the potential GHG impacts.

Worker Trips and Greenhouse Gas Calculations

The California Emissions Estimator Model ("CalEEMod") is a "statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects."[1] CalEEMod quantifies construction-related emissions associated with land use projects resulting from off-road construction equipment; on-road mobile equipment associated with workers, vendors, and hauling; fugitive dust associated with grading, demolition, truck loading, and on-road vehicles traveling along paved and unpaved roads; and architectural coating activities; and paving.[2]

The number, length, and vehicle class of worker trips are utilized by CalEEMod to calculate emissions associated with the on-road vehicle trips required to transport workers to and from the Project site during construction.[3]

[1] "California Emissions Estimator Model." CAPCOA, 2017, *available at:* http://www.aqmd.gov/caleemod/home.
[2] "California Emissions Estimator Model." CAPCOA, 2017, *available at:* http://www.aqmd.gov/caleemod/home.
[3] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4, p. 34.

Specifically, the number and length of vehicle trips is utilized to estimate the vehicle miles travelled ("VMT") associated with construction. Then, utilizing vehicle-class specific EMFAC 2014 emission factors, CalEEMod calculates the vehicle exhaust, evaporative, and dust emissions resulting from construction-related VMT, including personal vehicles for worker commuting.[4]

Specifically, in order to calculate VMT, CalEEMod multiplies the average daily trip rate by the average overall trip length (see excerpt below):

> "$VMT_d = \Sigma(\text{Average Daily Trip Rate}_i * \text{Average Overall Trip Length}_i)_n$
>
> Where:
>
> n = Number of land uses being modeled."[5]

Furthermore, to calculate the on-road emissions associated with worker trips, CalEEMod utilizes the following equation (see excerpt below):

> "$\text{Emissions}_{pollutant} = VMT * EF_{running,pollutant}$
>
> Where:
>
> $\text{Emissions}_{pollutant}$ = emissions from vehicle running for each pollutant
>
> VMT = vehicle miles traveled
>
> $EF_{running,pollutant}$ = emission factor for running emissions."[6]

Thus, there is a direct relationship between trip length and VMT, as well as a direct relationship between VMT and vehicle running emissions. In other words, when the trip length is increased, the VMT and vehicle running emissions increase as a result. Thus, vehicle running emissions can be reduced by decreasing the average overall trip length, by way of a local hire requirement or otherwise.

Default Worker Trip Parameters and Potential Local Hire Requirements

As previously discussed, the number, length, and vehicle class of worker trips are utilized by CalEEMod to calculate emissions associated with the on-road vehicle trips required to transport workers to and from the Project site during construction.[7] In order to understand how local hire requirements and associated worker trip length reductions impact GHG emissions calculations, it is important to consider the CalEEMod default worker trip parameters. CalEEMod provides recommended default values based on site-specific information, such as land use type, meteorological data, total lot acreage, project type and typical equipment associated with project type. If more specific project information is known, the user can change the default values and input project-specific values, but the California Environmental Quality Act ("CEQA") requires that such changes be justified by substantial evidence.[8] The default number of construction-related worker trips is calculated by multiplying the

---

[4] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 14-15.

[5] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 23.

[6] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 15.

[7] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4, p. 34.

[8] CalEEMod User Guide, *available at:* http://www.caleemod.com/, p. 1, 9.

number of pieces of equipment for all phases by 1.25, with the exception of worker trips required for the building construction and architectural coating phases.[9] Furthermore, the worker trip vehicle class is a 50/25/25 percent mix of light duty autos, light duty truck class 1 and light duty truck class 2, respectively."[10] Finally, the default worker trip length is consistent with the length of the operational home-to-work vehicle trips.[11] The operational home-to-work vehicle trip lengths are:

> "[B]ased on the *location* and *urbanization* selected on the project characteristic screen. These values were *supplied by the air districts or use a default average for the state*. Each district (or county) also assigns trip lengths for urban and rural settings" (emphasis added). [12]

Thus, the default worker trip length is based on the location and urbanization level selected by the User when modeling emissions. The below table shows the CalEEMod default rural and urban worker trip lengths by air basin (see excerpt below and Attachment A).[13]

Worker Trip Length by Air Basin		
Air Basin	**Rural (miles)**	**Urban (miles)**
Great Basin Valleys	16.8	10.8
Lake County	16.8	10.8
Lake Tahoe	16.8	10.8
Mojave Desert	16.8	10.8
Mountain Counties	16.8	10.8
North Central Coast	17.1	12.3
North Coast	16.8	10.8
Northeast Plateau	16.8	10.8
Sacramento Valley	16.8	10.8
Salton Sea	14.6	11
San Diego	16.8	10.8
San Francisco Bay Area	10.8	10.8
San Joaquin Valley	16.8	10.8
South Central Coast	16.8	10.8
South Coast	19.8	14.7
Average	**16.47**	**11.17**
Minimum	**10.80**	**10.80**
Maximum	**19.80**	**14.70**
Range	**9.00**	**3.90**

[9] "CalEEMod User's Guide." CAPCOA, November 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/01_user-39-s-guide2016-3-2_15november2017.pdf?sfvrsn=4, p. 34.
[10] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 15.
[11] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 14.
[12] "Appendix A Calculation Details for CalEEMod." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/02_appendix-a2016-3-2.pdf?sfvrsn=6, p. 21.
[13] "Appendix D Default Data Tables." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/05_appendix-d2016-3-2.pdf?sfvrsn=4, p. D-84 – D-86.

As demonstrated above, default rural worker trip lengths for air basins in California vary from 10.8- to 19.8-miles, with an average of 16.47 miles. Furthermore, default urban worker trip lengths vary from 10.8- to 14.7-miles, with an average of 11.17 miles. Thus, while default worker trip lengths vary by location, default urban worker trip lengths tend to be shorter in length. Based on these trends evident in the CalEEMod default worker trip lengths, we can reasonably assume that the efficacy of a local hire requirement is especially dependent upon the urbanization of the project site, as well as the project location.

Practical Application of a Local Hire Requirement and Associated Impact

To provide an example of the potential impact of a local hire provision on construction-related GHG emissions, we estimated the significance of a local hire provision for the Village South Specific Plan ("Project") located in the City of Claremont ("City"). The Project proposed to construct 1,000 residential units, 100,000-SF of retail space, 45,000-SF of office space, as well as a 50-room hotel, on the 24-acre site. The Project location is classified as Urban and lies within the Los Angeles-South Coast County. As a result, the Project has a default worker trip length of 14.7 miles.[14] In an effort to evaluate the potential for a local hire provision to reduce the Project's construction-related GHG emissions, we prepared an updated model, reducing all worker trip lengths to 10 miles (see Attachment B). Our analysis estimates that if a local hire provision with a 10-mile radius were to be implemented, the GHG emissions associated with Project construction would decrease by approximately 17% (see table below and Attachment C).

Local Hire Provision Net Change	
Without Local Hire Provision	
Total Construction GHG Emissions (MT CO_2e)	3,623
Amortized Construction GHG Emissions (MT CO_2e/year)	120.77
With Local Hire Provision	
Total Construction GHG Emissions (MT CO2e)	3,024
Amortized Construction GHG Emissions (MT CO_2e/year)	100.80
% Decrease in Construction-related GHG Emissions	***17%***

As demonstrated above, by implementing a local hire provision requiring 10 mile worker trip lengths, the Project could reduce potential GHG emissions associated with construction worker trips. More broadly, any local hire requirement that results in a decreased worker trip length from the default value has the potential to result in a reduction of construction-related GHG emissions, though the significance of the reduction would vary based on the location and urbanization level of the project site.

This serves as an example of the potential impacts of local hire requirements on estimated project-level GHG emissions, though it does not indicate that local hire requirements would result in reduced construction-related GHG emission for all projects. As previously described, the significance of a local hire requirement depends on the worker trip length enforced and the default worker trip length for the project's urbanization level and location.

[14] "Appendix D Default Data Tables." CAPCOA, October 2017, *available at:* http://www.aqmd.gov/docs/default-source/caleemod/05_appendix-d2016-3-2.pdf?sfvrsn=4, p. D-85.

Disclaimer

SWAPE has received limited discovery. Additional information may become available in the future; thus, we retain the right to revise or amend this report when additional information becomes available. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the scope of work, work methodologies and protocols, site conditions, analytical testing results, and findings presented. This report reflects efforts which were limited to information that was reasonably accessible at the time of the work, and may contain informational gaps, inconsistencies, or otherwise be incomplete due to the unavailability or uncertainty of information obtained or provided by third parties.

Sincerely,

Matt Hagemann, P.G., C.Hg.

Paul E. Rosenfeld, Ph.D.

Attachment A

Location Type	Location Name	Rural H-W (miles)	Urban H-W (miles)
Air Basin	Great Basin	16.8	10.8
Air Basin	Lake County	16.8	10.8
Air Basin	Lake Tahoe	16.8	10.8
Air Basin	Mojave Desert	16.8	10.8
Air Basin	Mountain	16.8	10.8
Air Basin	North Central	17.1	12.3
Air Basin	North Coast	16.8	10.8
Air Basin	Northeast	16.8	10.8
Air Basin	Sacramento	16.8	10.8
Air Basin	Salton Sea	14.6	11
Air Basin	San Diego	16.8	10.8
Air Basin	San Francisco	10.8	10.8
Air Basin	San Joaquin	16.8	10.8
Air Basin	South Central	16.8	10.8
Air Basin	South Coast	19.8	14.7
Air District	Amador County	16.8	10.8
Air District	Antelope Valley	16.8	10.8
Air District	Bay Area AQMD	10.8	10.8
Air District	Butte County	12.54	12.54
Air District	Calaveras	16.8	10.8
Air District	Colusa County	16.8	10.8
Air District	El Dorado	16.8	10.8
Air District	Feather River	16.8	10.8
Air District	Glenn County	16.8	10.8
Air District	Great Basin	16.8	10.8
Air District	Imperial County	10.2	7.3
Air District	Kern County	16.8	10.8
Air District	Lake County	16.8	10.8
Air District	Lassen County	16.8	10.8
Air District	Mariposa	16.8	10.8
Air District	Mendocino	16.8	10.8
Air District	Modoc County	16.8	10.8
Air District	Mojave Desert	16.8	10.8
Air District	Monterey Bay	16.8	10.8
Air District	North Coast	16.8	10.8
Air District	Northern Sierra	16.8	10.8
Air District	Northern	16.8	10.8
Air District	Placer County	16.8	10.8
Air District	Sacramento	15	10

Air District	San Diego	16.8	10.8
Air District	San Joaquin	16.8	10.8
Air District	San Luis Obispo	13	13
Air District	Santa Barbara	8.3	8.3
Air District	Shasta County	16.8	10.8
Air District	Siskiyou County	16.8	10.8
Air District	South Coast	19.8	14.7
Air District	Tehama County	16.8	10.8
Air District	Tuolumne	16.8	10.8
Air District	Ventura County	16.8	10.8
Air District	Yolo/Solano	15	10
County	Alameda	10.8	10.8
County	Alpine	16.8	10.8
County	Amador	16.8	10.8
County	Butte	12.54	12.54
County	Calaveras	16.8	10.8
County	Colusa	16.8	10.8
County	Contra Costa	10.8	10.8
County	Del Norte	16.8	10.8
County	El Dorado-Lake	16.8	10.8
County	El Dorado-	16.8	10.8
County	Fresno	16.8	10.8
County	Glenn	16.8	10.8
County	Humboldt	16.8	10.8
County	Imperial	10.2	7.3
County	Inyo	16.8	10.8
County	Kern-Mojave	16.8	10.8
County	Kern-San	16.8	10.8
County	Kings	16.8	10.8
County	Lake	16.8	10.8
County	Lassen	16.8	10.8
County	Los Angeles-	16.8	10.8
County	Los Angeles-	19.8	14.7
County	Madera	16.8	10.8
County	Marin	10.8	10.8
County	Mariposa	16.8	10.8
County	Mendocino-	16.8	10.8
County	Mendocino-	16.8	10.8
County	Mendocino-	16.8	10.8
County	Mendocino-	16.8	10.8
County	Merced	16.8	10.8
County	Modoc	16.8	10.8
County	Mono	16.8	10.8
County	Monterey	16.8	10.8
County	Napa	10.8	10.8

County	Nevada	16.8	10.8
County	Orange	19.8	14.7
County	Placer-Lake	16.8	10.8
County	Placer-Mountain	16.8	10.8
County	Placer-	16.8	10.8
County	Plumas	16.8	10.8
County	Riverside-	16.8	10.8
County	Riverside-	19.8	14.7
County	Riverside-Salton	14.6	11
County	Riverside-South	19.8	14.7
County	Sacramento	15	10
County	San Benito	16.8	10.8
County	San Bernardino-	16.8	10.8
County	San Bernardino-	19.8	14.7
County	San Diego	16.8	10.8
County	San Francisco	10.8	10.8
County	San Joaquin	16.8	10.8
County	San Luis Obispo	13	13
County	San Mateo	10.8	10.8
County	Santa Barbara-	8.3	8.3
County	Santa Barbara-	8.3	8.3
County	Santa Clara	10.8	10.8
County	Santa Cruz	16.8	10.8
County	Shasta	16.8	10.8
County	Sierra	16.8	10.8
County	Siskiyou	16.8	10.8
County	Solano-	15	10
County	Solano-San	16.8	10.8
County	Sonoma-North	16.8	10.8
County	Sonoma-San	10.8	10.8
County	Stanislaus	16.8	10.8
County	Sutter	16.8	10.8
County	Tehama	16.8	10.8
County	Trinity	16.8	10.8
County	Tulare	16.8	10.8
County	Tuolumne	16.8	10.8
County	Ventura	16.8	10.8
County	Yolo	15	10
County	Yuba	16.8	10.8
Statewide	Statewide	16.8	10.8

Worker Trip Length by Air Basin		
Air Basin	**Rural (miles)**	**Urban (miles)**
Great Basin Valleys	16.8	10.8
Lake County	16.8	10.8
Lake Tahoe	16.8	10.8
Mojave Desert	16.8	10.8
Mountain Counties	16.8	10.8
North Central Coast	17.1	12.3
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Northeast Plateau	16.8	10.8
Sacramento Valley	16.8	10.8
Salton Sea	14.6	11
San Diego	16.8	10.8
San Francisco Bay Area	10.8	10.8
San Joaquin Valley	16.8	10.8
South Central Coast	16.8	10.8
South Coast	19.8	14.7
Average	**16.47**	**11.17**
Mininum	**10.80**	**10.80**
Maximum	**19.80**	**14.70**
Range	**9.00**	**3.90**

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82
tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27

tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1713	1.8242	1.1662	2.4000e-003	0.4169	0.0817	0.4986	0.1795	0.0754	0.2549	0.0000	213.1969	213.1969	0.0601	0.0000	214.6993
2022	0.6904	4.1142	6.1625	0.0189	1.3058	0.1201	1.4259	0.3460	0.1128	0.4588	0.0000	1,721.6826	1,721.6826	0.1294	0.0000	1,724.9187
2023	0.6148	3.3649	5.6747	0.0178	1.1963	0.0996	1.2959	0.3203	0.0935	0.4138	0.0000	1,627.5295	1,627.5295	0.1185	0.0000	1,630.4925
2024	4.1619	0.1335	0.2810	5.9000e-004	0.0325	6.4700e-003	0.0390	8.6300e-003	6.0400e-003	0.0147	0.0000	52.9078	52.9078	8.0200e-003	0.0000	53.1082
Maximum	**4.1619**	**4.1142**	**6.1625**	**0.0189**	**1.3058**	**0.1201**	**1.4259**	**0.3460**	**0.1128**	**0.4588**	**0.0000**	**1,721.6826**	**1,721.6826**	**0.1294**	**0.0000**	**1,724.9187**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1713	1.8242	1.1662	2.4000e-003	0.4169	0.0817	0.4986	0.1795	0.0754	0.2549	0.0000	213.1967	213.1967	0.0601	0.0000	214.6991
2022	0.6904	4.1142	6.1625	0.0189	1.3058	0.1201	1.4259	0.3460	0.1128	0.4588	0.0000	1,721.6823	1,721.6823	0.1294	0.0000	1,724.9183
2023	0.6148	3.3648	5.6747	0.0178	1.1963	0.0996	1.2959	0.3203	0.0935	0.4138	0.0000	1,627.5291	1,627.5291	0.1185	0.0000	1,630.4921
2024	4.1619	0.1335	0.2810	5.9000e-004	0.0325	6.4700e-003	0.0390	8.6300e-003	6.0400e-003	0.0147	0.0000	52.9077	52.9077	8.0200e-003	0.0000	53.1082
Maximum	**4.1619**	**4.1142**	**6.1625**	**0.0189**	**1.3058**	**0.1201**	**1.4259**	**0.3460**	**0.1128**	**0.4588**	**0.0000**	**1,721.6823**	**1,721.6823**	**0.1294**	**0.0000**	**1,724.9183**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2021	11-30-2021	1.4103	1.4103
2	12-1-2021	2-28-2022	1.3613	1.3613
3	3-1-2022	5-31-2022	1.1985	1.1985
4	6-1-2022	8-31-2022	1.1921	1.1921
5	9-1-2022	11-30-2022	1.1918	1.1918
6	12-1-2022	2-28-2023	1.0774	1.0774
7	3-1-2023	5-31-2023	1.0320	1.0320
8	6-1-2023	8-31-2023	1.0260	1.0260

9	9-1-2023	11-30-2023	1.0265	1.0265
10	12-1-2023	2-29-2024	2.8857	2.8857
11	3-1-2024	5-31-2024	1.6207	1.6207
		Highest	2.8857	2.8857

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

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

3.0 Construction Detail

Construction Phase

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0012	51.0012	0.0144	0.0000	51.3601
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0012**	**51.0012**	**0.0144**	**0.0000**	**51.3601**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	7.5000e-004	8.5100e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.2251	2.2251	7.0000e-005	0.0000	2.2267
Total	**2.9000e-003**	**0.0641**	**0.0233**	**2.0000e-004**	**6.4100e-003**	**2.1000e-004**	**6.6200e-003**	**1.7300e-003**	**2.0000e-004**	**1.9300e-003**	**0.0000**	**19.6816**	**19.6816**	**1.2800e-003**	**0.0000**	**19.7136**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0011	51.0011	0.0144	0.0000	51.3600
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0011**	**51.0011**	**0.0144**	**0.0000**	**51.3600**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	7.5000e-004	8.5100e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.2251	2.2251	7.0000e-005	0.0000	2.2267
Total	**2.9000e-003**	**0.0641**	**0.0233**	**2.0000e-004**	**6.4100e-003**	**2.1000e-004**	**6.6200e-003**	**1.7300e-003**	**2.0000e-004**	**1.9300e-003**	**0.0000**	**19.6816**	**19.6816**	**1.2800e-003**	**0.0000**	**19.7136**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	**7.7000e-004**	**6.0000e-004**	**6.8100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7801**	**1.7801**	**5.0000e-005**	**0.0000**	**1.7814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	**7.7000e-004**	**6.0000e-004**	**6.8100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7801**	**1.7801**	**5.0000e-005**	**0.0000**	**1.7814**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5405	103.5405	0.0335	0.0000	104.3776
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5405**	**103.5405**	**0.0335**	**0.0000**	**104.3776**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6400e-003	1.2700e-003	0.0144	4.0000e-005	4.1600e-003	3.0000e-005	4.2000e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.7579	3.7579	1.1000e-004	0.0000	3.7607
Total	**1.6400e-003**	**1.2700e-003**	**0.0144**	**4.0000e-005**	**4.1600e-003**	**3.0000e-005**	**4.2000e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.7579**	**3.7579**	**1.1000e-004**	**0.0000**	**3.7607**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5403	103.5403	0.0335	0.0000	104.3775
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5403**	**103.5403**	**0.0335**	**0.0000**	**104.3775**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6400e-003	1.2700e-003	0.0144	4.0000e-005	4.1600e-003	3.0000e-005	4.2000e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.7579	3.7579	1.1000e-004	0.0000	3.7607
Total	**1.6400e-003**	**1.2700e-003**	**0.0144**	**4.0000e-005**	**4.1600e-003**	**3.0000e-005**	**4.2000e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.7579**	**3.7579**	**1.1000e-004**	**0.0000**	**3.7607**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.1000e-004	2.4400e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6679	0.6679	2.0000e-005	0.0000	0.6684
Total	**2.8000e-004**	**2.1000e-004**	**2.4400e-003**	**1.0000e-005**	**7.7000e-004**	**1.0000e-005**	**7.7000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6679**	**0.6679**	**2.0000e-005**	**0.0000**	**0.6684**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.1000e-004	2.4400e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6679	0.6679	2.0000e-005	0.0000	0.6684
Total	**2.8000e-004**	**2.1000e-004**	**2.4400e-003**	**1.0000e-005**	**7.7000e-004**	**1.0000e-005**	**7.7000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6679**	**0.6679**	**2.0000e-005**	**0.0000**	**0.6684**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1324	293.1324	0.0702	0.0000	294.8881
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1324**	**293.1324**	**0.0702**	**0.0000**	**294.8881**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.4088	0.3066	3.5305	0.0107	1.1103	8.8700e-003	1.1192	0.2949	8.1700e-003	0.3031	0.0000	966.8117	966.8117	0.0266	0.0000	967.4773
Total	**0.4616**	**2.0027**	**3.9885**	**0.0152**	**1.2243**	**0.0121**	**1.2363**	**0.3278**	**0.0112**	**0.3390**	**0.0000**	**1,408.7952**	**1,408.7952**	**0.0530**	**0.0000**	**1,410.1208**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1321	293.1321	0.0702	0.0000	294.8877
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1321**	**293.1321**	**0.0702**	**0.0000**	**294.8877**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.4088	0.3066	3.5305	0.0107	1.1103	8.8700e-003	1.1192	0.2949	8.1700e-003	0.3031	0.0000	966.8117	966.8117	0.0266	0.0000	967.4773
Total	**0.4616**	**2.0027**	**3.9885**	**0.0152**	**1.2243**	**0.0121**	**1.2363**	**0.3278**	**0.0112**	**0.3390**	**0.0000**	**1,408.7952**	**1,408.7952**	**0.0530**	**0.0000**	**1,410.1208**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2789	286.2789	0.0681	0.0000	287.9814
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2789**	**286.2789**	**0.0681**	**0.0000**	**287.9814**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.3753	0.2708	3.1696	0.0101	1.0840	8.4100e-003	1.0924	0.2879	7.7400e-003	0.2957	0.0000	909.3439	909.3439	0.0234	0.0000	909.9291
Total	**0.4135**	**1.5218**	**3.5707**	**0.0144**	**1.1953**	**9.8700e-003**	**1.2051**	**0.3200**	**9.1400e-003**	**0.3292**	**0.0000**	**1,327.3369**	**1,327.3369**	**0.0462**	**0.0000**	**1,328.4916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2785	286.2785	0.0681	0.0000	287.9811
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2785**	**286.2785**	**0.0681**	**0.0000**	**287.9811**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.3753	0.2708	3.1696	0.0101	1.0840	8.4100e-003	1.0924	0.2879	7.7400e-003	0.2957	0.0000	909.3439	909.3439	0.0234	0.0000	909.9291
Total	**0.4135**	**1.5218**	**3.5707**	**0.0144**	**1.1953**	**9.8700e-003**	**1.2051**	**0.3200**	**9.1400e-003**	**0.3292**	**0.0000**	**1,327.3369**	**1,327.3369**	**0.0462**	**0.0000**	**1,328.4916**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8963	0.8963	2.0000e-005	0.0000	0.8968
Total	**3.7000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.0700e-003**	**1.0000e-005**	**1.0800e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.8963**	**0.8963**	**2.0000e-005**	**0.0000**	**0.8968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	3.1200e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8963	0.8963	2.0000e-005	0.0000	0.8968
Total	**3.7000e-004**	**2.7000e-004**	**3.1200e-003**	**1.0000e-005**	**1.0700e-003**	**1.0000e-005**	**1.0800e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.8963**	**0.8963**	**2.0000e-005**	**0.0000**	**0.8968**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	4.9200e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4697	1.4697	4.0000e-005	0.0000	1.4706
Total	**5.9000e-004**	**4.1000e-004**	**4.9200e-003**	**2.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4697**	**1.4697**	**4.0000e-005**	**0.0000**	**1.4706**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	4.9200e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4697	1.4697	4.0000e-005	0.0000	1.4706
Total	**5.9000e-004**	**4.1000e-004**	**4.9200e-003**	**2.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4697**	**1.4697**	**4.0000e-005**	**0.0000**	**1.4706**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.9900e-003	0.0835	2.8000e-004	0.0307	2.3000e-004	0.0309	8.1500e-003	2.2000e-004	8.3700e-003	0.0000	24.9407	24.9407	6.1000e-004	0.0000	24.9558
Total	**0.0101**	**6.9900e-003**	**0.0835**	**2.8000e-004**	**0.0307**	**2.3000e-004**	**0.0309**	**8.1500e-003**	**2.2000e-004**	**8.3700e-003**	**0.0000**	**24.9407**	**24.9407**	**6.1000e-004**	**0.0000**	**24.9558**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.9900e-003	0.0835	2.8000e-004	0.0307	2.3000e-004	0.0309	8.1500e-003	2.2000e-004	8.3700e-003	0.0000	24.9407	24.9407	6.1000e-004	0.0000	24.9558
Total	**0.0101**	**6.9900e-003**	**0.0835**	**2.8000e-004**	**0.0307**	**2.3000e-004**	**0.0309**	**8.1500e-003**	**2.2000e-004**	**8.3700e-003**	**0.0000**	**24.9407**	**24.9407**	**6.1000e-004**	**0.0000**	**24.9558**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Unmitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
NaturalGas Mitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478
NaturalGas Unmitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Unmitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	585.8052	3.0183	0.0755	683.7567
Unmitigated	585.8052	3.0183	0.0755	683.7567

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	207.8079	12.2811	0.0000	514.8354
Unmitigated	207.8079	12.2811	0.0000	514.8354

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82
tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27

tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2769	46.4588	31.6840	0.0643	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,234.7974	6,234.7974	1.9495	0.0000	6,283.5352
2022	5.3304	38.8967	49.5629	0.1517	9.8688	1.6366	10.7727	3.6558	1.5057	5.1615	0.0000	15,251.5674	15,251.5674	1.9503	0.0000	15,278.5288
2023	4.8957	26.3317	46.7567	0.1472	9.8688	0.7794	10.6482	2.6381	0.7322	3.3702	0.0000	14,807.5269	14,807.5269	1.0250	0.0000	14,833.1521
2024	237.1630	9.5575	15.1043	0.0244	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,361.3989	2,361.3989	0.7177	0.0000	2,379.3421
Maximum	**237.1630**	**46.4588**	**49.5629**	**0.1517**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**15,251.5674**	**15,251.5674**	**1.9503**	**0.0000**	**15,278.5288**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2769	46.4588	31.6840	0.0643	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,234.7974	6,234.7974	1.9495	0.0000	6,283.5352
2022	5.3304	38.8967	49.5629	0.1517	9.8688	1.6366	10.7727	3.6558	1.5057	5.1615	0.0000	15,251.5674	15,251.5674	1.9503	0.0000	15,278.5288
2023	4.8957	26.3317	46.7567	0.1472	9.8688	0.7794	10.6482	2.6381	0.7322	3.3702	0.0000	14,807.5269	14,807.5269	1.0250	0.0000	14,833.1520
2024	237.1630	9.5575	15.1043	0.0244	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,361.3989	2,361.3989	0.7177	0.0000	2,379.3421
Maximum	**237.1630**	**46.4588**	**49.5629**	**0.1517**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**15,251.5674**	**15,251.5674**	**1.9503**	**0.0000**	**15,278.5288**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.1916**	**4.1394**	**1.5644**	**0.0136**	**0.4346**	**0.0139**	**0.4485**	**0.1176**	**0.0133**	**0.1309**		**1,463.0568**	**1,463.0568**	**0.0927**		**1,465.3750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.1916**	**4.1394**	**1.5644**	**0.0136**	**0.4346**	**0.0139**	**0.4485**	**0.1176**	**0.0133**	**0.1309**		**1,463.0568**	**1,463.0568**	**0.0927**		**1,465.3750**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	**0.0857**	**0.0589**	**0.8056**	**2.2900e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**227.7540**	**227.7540**	**6.7100e-003**		**227.9217**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	**0.0857**	**0.0589**	**0.8056**	**2.2900e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**227.7540**	**227.7540**	**6.7100e-003**		**227.9217**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.0803**	**0.0532**	**0.7432**	**2.2100e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**219.7425**	**219.7425**	**6.0600e-003**		**219.8941**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.0803**	**0.0532**	**0.7432**	**2.2100e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**219.7425**	**219.7425**	**6.0600e-003**		**219.8941**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	3.2162	2.1318	29.7654	0.0883	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,800.6857	8,800.6857	0.2429		8,806.7582
Total	**3.6242**	**15.3350**	**33.1995**	**0.1247**	**9.8688**	**0.0949**	**9.9637**	**2.6381**	**0.0883**	**2.7263**		**12,697.2339**	**12,697.2339**	**0.4665**		**12,708.8966**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	3.2162	2.1318	29.7654	0.0883	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,800.6857	8,800.6857	0.2429		8,806.7582
Total	**3.6242**	**15.3350**	**33.1995**	**0.1247**	**9.8688**	**0.0949**	**9.9637**	**2.6381**	**0.0883**	**2.7263**		**12,697.2339**	**12,697.2339**	**0.4665**		**12,708.8966**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	3.0203	1.9287	27.4113	0.0851	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		8,478.4408	8,478.4408	0.2190		8,483.9160
Total	**3.3229**	**11.9468**	**30.5127**	**0.1203**	**9.8688**	**0.0797**	**9.9485**	**2.6381**	**0.0738**	**2.7118**		**12,252.3170**	**12,252.3170**	**0.4172**		**12,262.7460**

Mitigated Construction On-Site

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	3.0203	1.9287	27.4113	0.0851	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		8,478.4408	8,478.4408	0.2190		8,483.9160
Total	**3.3229**	**11.9468**	**30.5127**	**0.1203**	**9.8688**	**0.0797**	**9.9485**	**2.6381**	**0.0738**	**2.7118**		**12,252.3170**	**12,252.3170**	**0.4172**		**12,262.7460**

3.6 Paving - 2023

Unmitigated Construction On-Site

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

Mitigated Construction On-Site

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5707	0.3513	5.1044	0.0165	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,641.0852	1,641.0852	0.0401		1,642.0886
Total	**0.5707**	**0.3513**	**5.1044**	**0.0165**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,641.0852**	**1,641.0852**	**0.0401**		**1,642.0886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5707	0.3513	5.1044	0.0165	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,641.0852	1,641.0852	0.0401		1,642.0886
Total	**0.5707**	**0.3513**	**5.1044**	**0.0165**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,641.0852**	**1,641.0852**	**0.0401**		**1,642.0886**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Unmitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82
tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27

tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2865	46.4651	31.6150	0.0642	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,221.4937	6,221.4937	1.9491	0.0000	6,270.2214
2022	5.7218	38.9024	47.3319	0.1455	9.8688	1.6366	10.7736	3.6558	1.5057	5.1615	0.0000	14,630.3099	14,630.3099	1.9499	0.0000	14,657.2663
2023	5.2705	26.4914	44.5936	0.1413	9.8688	0.7800	10.6488	2.6381	0.7328	3.3708	0.0000	14,210.3424	14,210.3424	1.0230	0.0000	14,235.9160
2024	237.2328	9.5610	15.0611	0.0243	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,352.4178	2,352.4178	0.7175	0.0000	2,370.3550
Maximum	**237.2328**	**46.4651**	**47.3319**	**0.1455**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**14,630.3099**	**14,630.3099**	**1.9499**	**0.0000**	**14,657.2663**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2865	46.4651	31.6150	0.0642	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	6,221.4937	6,221.4937	1.9491	0.0000	6,270.2214
2022	5.7218	38.9024	47.3319	0.1455	9.8688	1.6366	10.7736	3.6558	1.5057	5.1615	0.0000	14,630.3099	14,630.3099	1.9499	0.0000	14,657.2663
2023	5.2705	26.4914	44.5936	0.1413	9.8688	0.7800	10.6488	2.6381	0.7328	3.3708	0.0000	14,210.3424	14,210.3424	1.0230	0.0000	14,235.9160
2024	237.2328	9.5610	15.0611	0.0243	1.7884	0.4698	1.8628	0.4743	0.4322	0.5476	0.0000	2,352.4178	2,352.4178	0.7175	0.0000	2,370.3550
Maximum	**237.2328**	**46.4651**	**47.3319**	**0.1455**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**14,630.3099**	**14,630.3099**	**1.9499**	**0.0000**	**14,657.2663**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.2019**	**4.1943**	**1.5706**	**0.0133**	**0.4346**	**0.0141**	**0.4487**	**0.1176**	**0.0135**	**0.1311**		**1,430.6932**	**1,430.6932**	**0.0955**		**1,433.0812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.2019**	**4.1943**	**1.5706**	**0.0133**	**0.4346**	**0.0141**	**0.4487**	**0.1176**	**0.0135**	**0.1311**		**1,430.6932**	**1,430.6932**	**0.0955**		**1,433.0812**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	**0.0954**	**0.0652**	**0.7365**	**2.1500e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**214.4502**	**214.4502**	**6.3100e-003**		**214.6080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	**0.0954**	**0.0652**	**0.7365**	**2.1500e-003**	**0.2236**	**1.8100e-003**	**0.2254**	**0.0593**	**1.6600e-003**	**0.0610**		**214.4502**	**214.4502**	**6.3100e-003**		**214.6080**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.0896**	**0.0589**	**0.6784**	**2.0800e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**206.9139**	**206.9139**	**5.7000e-003**		**207.0563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.0896**	**0.0589**	**0.6784**	**2.0800e-003**	**0.2236**	**1.7500e-003**	**0.2253**	**0.0593**	**1.6100e-003**	**0.0609**		**206.9139**	**206.9139**	**5.7000e-003**		**207.0563**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	3.5872	2.3593	27.1680	0.0832	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,286.9013	8,286.9013	0.2282		8,292.6058
Total	**4.0156**	**15.5266**	**30.9685**	**0.1186**	**9.8688**	**0.0957**	**9.9645**	**2.6381**	**0.0891**	**2.7271**		**12,075.9763**	**12,075.9763**	**0.4663**		**12,087.6341**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	3.5872	2.3593	27.1680	0.0832	8.9533	0.0701	9.0234	2.3745	0.0646	2.4390		8,286.9013	8,286.9013	0.2282		8,292.6058
Total	**4.0156**	**15.5266**	**30.9685**	**0.1186**	**9.8688**	**0.0957**	**9.9645**	**2.6381**	**0.0891**	**2.7271**		**12,075.9763**	**12,075.9763**	**0.4663**		**12,087.6341**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	3.3795	2.1338	24.9725	0.0801	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		7,983.7318	7,983.7318	0.2055		7,988.8683
Total	**3.6978**	**12.1065**	**28.3496**	**0.1144**	**9.8688**	**0.0803**	**9.9491**	**2.6381**	**0.0743**	**2.7124**		**11,655.1325**	**11,655.1325**	**0.4151**		**11,665.5099**

Mitigated Construction On-Site

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	3.3795	2.1338	24.9725	0.0801	8.9533	0.0681	9.0214	2.3745	0.0627	2.4372		7,983.7318	7,983.7318	0.2055		7,988.8683
Total	**3.6978**	**12.1065**	**28.3496**	**0.1144**	**9.8688**	**0.0803**	**9.9491**	**2.6381**	**0.0743**	**2.7124**		**11,655.1325**	**11,655.1325**	**0.4151**		**11,665.5099**

3.6 Paving - 2023

Unmitigated Construction On-Site

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

Mitigated Construction On-Site

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6406	0.3886	4.6439	0.0155	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,545.2860	1,545.2860	0.0376		1,546.2262
Total	**0.6406**	**0.3886**	**4.6439**	**0.0155**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,545.2860**	**1,545.2860**	**0.0376**		**1,546.2262**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6406	0.3886	4.6439	0.0155	1.7884	0.0134	1.8018	0.4743	0.0123	0.4866		1,545.2860	1,545.2860	0.0376		1,546.2262
Total	**0.6406**	**0.3886**	**4.6439**	**0.0155**	**1.7884**	**0.0134**	**1.8018**	**0.4743**	**0.0123**	**0.4866**		**1,545.2860**	**1,545.2860**	**0.0376**		**1,546.2262**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Unmitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Trips and VMT - Local hire provision

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82

tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27
tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1704	1.8234	1.1577	2.3800e-003	0.4141	0.0817	0.4958	0.1788	0.0754	0.2542	0.0000	210.7654	210.7654	0.0600	0.0000	212.2661
2022	0.5865	4.0240	5.1546	0.0155	0.9509	0.1175	1.0683	0.2518	0.1103	0.3621	0.0000	1,418.6554	1,418.6554	0.1215	0.0000	1,421.6925
2023	0.5190	3.2850	4.7678	0.0147	0.8497	0.0971	0.9468	0.2283	0.0912	0.3195	0.0000	1,342.4412	1,342.4412	0.1115	0.0000	1,345.2291
2024	4.1592	0.1313	0.2557	5.0000e-004	0.0221	6.3900e-003	0.0285	5.8700e-003	5.9700e-003	0.0118	0.0000	44.6355	44.6355	7.8300e-003	0.0000	44.8311
Maximum	**4.1592**	**4.0240**	**5.1546**	**0.0155**	**0.9509**	**0.1175**	**1.0683**	**0.2518**	**0.1103**	**0.3621**	**0.0000**	**1,418.6554**	**1,418.6554**	**0.1215**	**0.0000**	**1,421.6925**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1704	1.8234	1.1577	2.3800e-003	0.4141	0.0817	0.4958	0.1788	0.0754	0.2542	0.0000	210.7651	210.7651	0.0600	0.0000	212.2658
2022	0.5865	4.0240	5.1546	0.0155	0.9509	0.1175	1.0683	0.2518	0.1103	0.3621	0.0000	1,418.6550	1,418.6550	0.1215	0.0000	1,421.6921
2023	0.5190	3.2850	4.7678	0.0147	0.8497	0.0971	0.9468	0.2283	0.0912	0.3195	0.0000	1,342.4409	1,342.4409	0.1115	0.0000	1,345.2287
2024	4.1592	0.1313	0.2557	5.0000e-004	0.0221	6.3900e-003	0.0285	5.8700e-003	5.9700e-003	0.0118	0.0000	44.6354	44.6354	7.8300e-003	0.0000	44.8311
Maximum	**4.1592**	**4.0240**	**5.1546**	**0.0155**	**0.9509**	**0.1175**	**1.0683**	**0.2518**	**0.1103**	**0.3621**	**0.0000**	**1,418.6550**	**1,418.6550**	**0.1215**	**0.0000**	**1,421.6921**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2021	11-30-2021	1.4091	1.4091
2	12-1-2021	2-28-2022	1.3329	1.3329
3	3-1-2022	5-31-2022	1.1499	1.1499
4	6-1-2022	8-31-2022	1.1457	1.1457
5	9-1-2022	11-30-2022	1.1415	1.1415
6	12-1-2022	2-28-2023	1.0278	1.0278
7	3-1-2023	5-31-2023	0.9868	0.9868
8	6-1-2023	8-31-2023	0.9831	0.9831

9	9-1-2023	11-30-2023	0.9798	0.9798
10	12-1-2023	2-29-2024	2.8757	2.8757
11	3-1-2024	5-31-2024	1.6188	1.6188
		Highest	2.8757	2.8757

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Energy	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	3,896.0732	3,896.0732	0.1303	0.0468	3,913.2833
Mobile	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Waste						0.0000	0.0000		0.0000	0.0000	207.8079	0.0000	207.8079	12.2811	0.0000	514.8354
Water						0.0000	0.0000		0.0000	0.0000	29.1632	556.6420	585.8052	3.0183	0.0755	683.7567
Total	**6.8692**	**9.5223**	**30.3407**	**0.0914**	**7.7979**	**0.2260**	**8.0240**	**2.0895**	**0.2219**	**2.3114**	**236.9712**	**12,294.1807**	**12,531.1519**	**15.7904**	**0.1260**	**12,963.4751**

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

3.0 Construction Detail

Construction Phase

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0012	51.0012	0.0144	0.0000	51.3601
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0012**	**51.0012**	**0.0144**	**0.0000**	**51.3601**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	5.3000e-004	6.0900e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.5281	1.5281	5.0000e-005	0.0000	1.5293
Total	**2.6500e-003**	**0.0639**	**0.0209**	**2.0000e-004**	**5.6200e-003**	**2.0000e-004**	**5.8200e-003**	**1.5300e-003**	**1.9000e-004**	**1.7200e-003**	**0.0000**	**18.9847**	**18.9847**	**1.2600e-003**	**0.0000**	**19.0161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0496	0.0000	0.0496	7.5100e-003	0.0000	7.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0011	51.0011	0.0144	0.0000	51.3600
Total	**0.0475**	**0.4716**	**0.3235**	**5.8000e-004**	**0.0496**	**0.0233**	**0.0729**	**7.5100e-003**	**0.0216**	**0.0291**	**0.0000**	**51.0011**	**51.0011**	**0.0144**	**0.0000**	**51.3600**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0634	0.0148	1.8000e-004	3.9400e-003	1.9000e-004	4.1300e-003	1.0800e-003	1.8000e-004	1.2600e-003	0.0000	17.4566	17.4566	1.2100e-003	0.0000	17.4869
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	5.3000e-004	6.0900e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.5281	1.5281	5.0000e-005	0.0000	1.5293
Total	**2.6500e-003**	**0.0639**	**0.0209**	**2.0000e-004**	**5.6200e-003**	**2.0000e-004**	**5.8200e-003**	**1.5300e-003**	**1.9000e-004**	**1.7200e-003**	**0.0000**	**18.9847**	**18.9847**	**1.2600e-003**	**0.0000**	**19.0161**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.8700e-003	1.0000e-005	1.3400e-003	1.0000e-005	1.3500e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2225	1.2225	4.0000e-005	0.0000	1.2234
Total	**5.8000e-004**	**4.3000e-004**	**4.8700e-003**	**1.0000e-005**	**1.3400e-003**	**1.0000e-005**	**1.3500e-003**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**0.0000**	**1.2225**	**1.2225**	**4.0000e-005**	**0.0000**	**1.2234**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.8700e-003	1.0000e-005	1.3400e-003	1.0000e-005	1.3500e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2225	1.2225	4.0000e-005	0.0000	1.2234
Total	**5.8000e-004**	**4.3000e-004**	**4.8700e-003**	**1.0000e-005**	**1.3400e-003**	**1.0000e-005**	**1.3500e-003**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**0.0000**	**1.2225**	**1.2225**	**4.0000e-005**	**0.0000**	**1.2234**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5405	103.5405	0.0335	0.0000	104.3776
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5405**	**103.5405**	**0.0335**	**0.0000**	**104.3776**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2200e-003	9.0000e-004	0.0103	3.0000e-005	2.8300e-003	2.0000e-005	2.8600e-003	7.5000e-004	2.0000e-005	7.8000e-004	0.0000	2.5808	2.5808	8.0000e-005	0.0000	2.5828
Total	**1.2200e-003**	**9.0000e-004**	**0.0103**	**3.0000e-005**	**2.8300e-003**	**2.0000e-005**	**2.8600e-003**	**7.5000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.5808**	**2.5808**	**8.0000e-005**	**0.0000**	**2.5828**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1741	0.0000	0.1741	0.0693	0.0000	0.0693	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0796	0.8816	0.5867	1.1800e-003		0.0377	0.0377		0.0347	0.0347	0.0000	103.5403	103.5403	0.0335	0.0000	104.3775
Total	**0.0796**	**0.8816**	**0.5867**	**1.1800e-003**	**0.1741**	**0.0377**	**0.2118**	**0.0693**	**0.0347**	**0.1040**	**0.0000**	**103.5403**	**103.5403**	**0.0335**	**0.0000**	**104.3775**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2200e-003	9.0000e-004	0.0103	3.0000e-005	2.8300e-003	2.0000e-005	2.8600e-003	7.5000e-004	2.0000e-005	7.8000e-004	0.0000	2.5808	2.5808	8.0000e-005	0.0000	2.5828
Total	**1.2200e-003**	**9.0000e-004**	**0.0103**	**3.0000e-005**	**2.8300e-003**	**2.0000e-005**	**2.8600e-003**	**7.5000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.5808**	**2.5808**	**8.0000e-005**	**0.0000**	**2.5828**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4587	0.4587	1.0000e-005	0.0000	0.4590
Total	**2.1000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4587**	**0.4587**	**1.0000e-005**	**0.0000**	**0.4590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0807	0.0000	0.0807	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1360	0.1017	2.2000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	19.0871	19.0871	6.1700e-003	0.0000	19.2414
Total	**0.0127**	**0.1360**	**0.1017**	**2.2000e-004**	**0.0807**	**5.7200e-003**	**0.0865**	**0.0180**	**5.2600e-003**	**0.0233**	**0.0000**	**19.0871**	**19.0871**	**6.1700e-003**	**0.0000**	**19.2414**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4587	0.4587	1.0000e-005	0.0000	0.4590
Total	**2.1000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4587**	**0.4587**	**1.0000e-005**	**0.0000**	**0.4590**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1324	293.1324	0.0702	0.0000	294.8881
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1324**	**293.1324**	**0.0702**	**0.0000**	**294.8881**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.3051	0.2164	2.5233	7.3500e-003	0.7557	6.2300e-003	0.7619	0.2007	5.7400e-003	0.2065	0.0000	663.9936	663.9936	0.0187	0.0000	664.4604
Total	**0.3578**	**1.9125**	**2.9812**	**0.0119**	**0.8696**	**9.4100e-003**	**0.8790**	**0.2336**	**8.7800e-003**	**0.2424**	**0.0000**	**1,105.9771**	**1,105.9771**	**0.0451**	**0.0000**	**1,107.1039**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2158	1.9754	2.0700	3.4100e-003		0.1023	0.1023		0.0963	0.0963	0.0000	293.1321	293.1321	0.0702	0.0000	294.8877
Total	**0.2158**	**1.9754**	**2.0700**	**3.4100e-003**		**0.1023**	**0.1023**		**0.0963**	**0.0963**	**0.0000**	**293.1321**	**293.1321**	**0.0702**	**0.0000**	**294.8877**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0527	1.6961	0.4580	4.5500e-003	0.1140	3.1800e-003	0.1171	0.0329	3.0400e-003	0.0359	0.0000	441.9835	441.9835	0.0264	0.0000	442.6435
Worker	0.3051	0.2164	2.5233	7.3500e-003	0.7557	6.2300e-003	0.7619	0.2007	5.7400e-003	0.2065	0.0000	663.9936	663.9936	0.0187	0.0000	664.4604
Total	**0.3578**	**1.9125**	**2.9812**	**0.0119**	**0.8696**	**9.4100e-003**	**0.8790**	**0.2336**	**8.7800e-003**	**0.2424**	**0.0000**	**1,105.9771**	**1,105.9771**	**0.0451**	**0.0000**	**1,107.1039**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2789	286.2789	0.0681	0.0000	287.9814
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2789**	**286.2789**	**0.0681**	**0.0000**	**287.9814**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.2795	0.1910	2.2635	6.9100e-003	0.7377	5.9100e-003	0.7436	0.1960	5.4500e-003	0.2014	0.0000	624.5363	624.5363	0.0164	0.0000	624.9466
Total	**0.3177**	**1.4420**	**2.6646**	**0.0112**	**0.8490**	**7.3700e-003**	**0.8564**	**0.2281**	**6.8500e-003**	**0.2349**	**0.0000**	**1,042.5294**	**1,042.5294**	**0.0392**	**0.0000**	**1,043.5090**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1942	1.7765	2.0061	3.3300e-003		0.0864	0.0864		0.0813	0.0813	0.0000	286.2785	286.2785	0.0681	0.0000	287.9811
Total	**0.1942**	**1.7765**	**2.0061**	**3.3300e-003**		**0.0864**	**0.0864**		**0.0813**	**0.0813**	**0.0000**	**286.2785**	**286.2785**	**0.0681**	**0.0000**	**287.9811**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.2511	0.4011	4.3000e-003	0.1113	1.4600e-003	0.1127	0.0321	1.4000e-003	0.0335	0.0000	417.9930	417.9930	0.0228	0.0000	418.5624
Worker	0.2795	0.1910	2.2635	6.9100e-003	0.7377	5.9100e-003	0.7436	0.1960	5.4500e-003	0.2014	0.0000	624.5363	624.5363	0.0164	0.0000	624.9466
Total	**0.3177**	**1.4420**	**2.6646**	**0.0112**	**0.8490**	**7.3700e-003**	**0.8564**	**0.2281**	**6.8500e-003**	**0.2349**	**0.0000**	**1,042.5294**	**1,042.5294**	**0.0392**	**0.0000**	**1,043.5090**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6156	0.6156	2.0000e-005	0.0000	0.6160
Total	**2.8000e-004**	**1.9000e-004**	**2.2300e-003**	**1.0000e-005**	**7.3000e-004**	**1.0000e-005**	**7.3000e-004**	**1.9000e-004**	**1.0000e-005**	**2.0000e-004**	**0.0000**	**0.6156**	**0.6156**	**2.0000e-005**	**0.0000**	**0.6160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7100e-003	0.0663	0.0948	1.5000e-004		3.3200e-003	3.3200e-003		3.0500e-003	3.0500e-003	0.0000	13.0175	13.0175	4.2100e-003	0.0000	13.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7100e-003**	**0.0663**	**0.0948**	**1.5000e-004**		**3.3200e-003**	**3.3200e-003**		**3.0500e-003**	**3.0500e-003**	**0.0000**	**13.0175**	**13.0175**	**4.2100e-003**	**0.0000**	**13.1227**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6156	0.6156	2.0000e-005	0.0000	0.6160
Total	**2.8000e-004**	**1.9000e-004**	**2.2300e-003**	**1.0000e-005**	**7.3000e-004**	**1.0000e-005**	**7.3000e-004**	**1.9000e-004**	**1.0000e-005**	**2.0000e-004**	**0.0000**	**0.6156**	**0.6156**	**2.0000e-005**	**0.0000**	**0.6160**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.9000e-004	3.5100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0094	1.0094	3.0000e-005	0.0000	1.0100
Total	**4.4000e-004**	**2.9000e-004**	**3.5100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0094**	**1.0094**	**3.0000e-005**	**0.0000**	**1.0100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0109**	**0.1048**	**0.1609**	**2.5000e-004**		**5.1500e-003**	**5.1500e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**22.0292**	**22.0292**	**7.1200e-003**	**0.0000**	**22.2073**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.9000e-004	3.5100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0094	1.0094	3.0000e-005	0.0000	1.0100
Total	**4.4000e-004**	**2.9000e-004**	**3.5100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0094**	**1.0094**	**3.0000e-005**	**0.0000**	**1.0100**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4800e-003	4.9300e-003	0.0596	1.9000e-004	0.0209	1.6000e-004	0.0211	5.5500e-003	1.5000e-004	5.7000e-003	0.0000	17.1287	17.1287	4.3000e-004	0.0000	17.1394
Total	**7.4800e-003**	**4.9300e-003**	**0.0596**	**1.9000e-004**	**0.0209**	**1.6000e-004**	**0.0211**	**5.5500e-003**	**1.5000e-004**	**5.7000e-003**	**0.0000**	**17.1287**	**17.1287**	**4.3000e-004**	**0.0000**	**17.1394**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
Total	**4.1404**	**0.0213**	**0.0317**	**5.0000e-005**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**4.4682**	**4.4682**	**2.5000e-004**	**0.0000**	**4.4745**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4800e-003	4.9300e-003	0.0596	1.9000e-004	0.0209	1.6000e-004	0.0211	5.5500e-003	1.5000e-004	5.7000e-003	0.0000	17.1287	17.1287	4.3000e-004	0.0000	17.1394
Total	**7.4800e-003**	**4.9300e-003**	**0.0596**	**1.9000e-004**	**0.0209**	**1.6000e-004**	**0.0211**	**5.5500e-003**	**1.5000e-004**	**5.7000e-003**	**0.0000**	**17.1287**	**17.1287**	**4.3000e-004**	**0.0000**	**17.1394**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162
Unmitigated	1.5857	7.9962	19.1834	0.0821	7.7979	0.0580	7.8559	2.0895	0.0539	2.1434	0.0000	7,620.4986	7,620.4986	0.3407	0.0000	7,629.0162

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,512.6465	2,512.6465	0.1037	0.0215	2,521.6356
NaturalGas Mitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478
NaturalGas Unmitigated	0.1398	1.2312	0.7770	7.6200e-003		0.0966	0.0966		0.0966	0.0966	0.0000	1,383.4267	1,383.4267	0.0265	0.0254	1,391.6478

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	408494	2.2000e-003	0.0188	8.0100e-003	1.2000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	21.7988	21.7988	4.2000e-004	4.0000e-004	21.9284
Apartments Mid Rise	1.30613e+007	0.0704	0.6018	0.2561	3.8400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	696.9989	696.9989	0.0134	0.0128	701.1408
General Office Building	468450	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	24.9983	24.9983	4.8000e-004	4.6000e-004	25.1468
High Turnover (Sit Down Restaurant)	8.30736e+006	0.0448	0.4072	0.3421	2.4400e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.3124	443.3124	8.5000e-003	8.1300e-003	445.9468
Hotel	1.74095e+006	9.3900e-003	0.0853	0.0717	5.1000e-004		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	92.9036	92.9036	1.7800e-003	1.7000e-003	93.4557
Quality Restaurant	1.84608e+006	9.9500e-003	0.0905	0.0760	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5139	98.5139	1.8900e-003	1.8100e-003	99.0993
Regional Shopping Center	91840	5.0000e-004	4.5000e-003	3.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.9009	4.9009	9.0000e-005	9.0000e-005	4.9301
Total		**0.1398**	**1.2312**	**0.7770**	**7.6200e-003**		**0.0966**	**0.0966**		**0.0966**	**0.0966**	**0.0000**	**1,383.4268**	**1,383.4268**	**0.0265**	**0.0254**	**1,391.6478**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	106010	33.7770	1.3900e-003	2.9000e-004	33.8978
Apartments Mid Rise	3.94697e+006	1,257.5879	0.0519	0.0107	1,262.0869
General Office Building	584550	186.2502	7.6900e-003	1.5900e-003	186.9165
High Turnover (Sit Down Restaurant)	1.58904e+006	506.3022	0.0209	4.3200e-003	508.1135
Hotel	550308	175.3399	7.2400e-003	1.5000e-003	175.9672
Quality Restaurant	353120	112.5116	4.6500e-003	9.6000e-004	112.9141
Regional Shopping Center	756000	240.8778	9.9400e-003	2.0600e-003	241.7395
Total		**2,512.6465**	**0.1037**	**0.0215**	**2,521.6356**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835
Unmitigated	5.1437	0.2950	10.3804	1.6700e-003		0.0714	0.0714		0.0714	0.0714	0.0000	220.9670	220.9670	0.0201	3.7400e-003	222.5835

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0206	0.1763	0.0750	1.1200e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.1166	204.1166	3.9100e-003	3.7400e-003	205.3295
Landscaping	0.3096	0.1187	10.3054	5.4000e-004		0.0572	0.0572		0.0572	0.0572	0.0000	16.8504	16.8504	0.0161	0.0000	17.2540
Total	**5.1437**	**0.2950**	**10.3804**	**1.6600e-003**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**220.9670**	**220.9670**	**0.0201**	**3.7400e-003**	**222.5835**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	585.8052	3.0183	0.0755	683.7567
Unmitigated	585.8052	3.0183	0.0755	683.7567

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.62885 / 1.02688	10.9095	0.0535	1.3400e-003	12.6471
Apartments Mid Rise	63.5252 / 40.0485	425.4719	2.0867	0.0523	493.2363
General Office Building	7.99802 / 4.90201	53.0719	0.2627	6.5900e-003	61.6019
High Turnover (Sit Down Restaurant)	10.9272 / 0.697482	51.2702	0.3580	8.8200e-003	62.8482
Hotel	1.26834 / 0.140927	6.1633	0.0416	1.0300e-003	7.5079
Quality Restaurant	2.42827 / 0.154996	11.3934	0.0796	1.9600e-003	13.9663
Regional Shopping Center	4.14806 / 2.54236	27.5250	0.1363	3.4200e-003	31.9490
Total		**585.8052**	**3.0183**	**0.0755**	**683.7567**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	207.8079	12.2811	0.0000	514.8354
Unmitigated	207.8079	12.2811	0.0000	514.8354

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	11.5	2.3344	0.1380	0.0000	5.7834
Apartments Mid Rise	448.5	91.0415	5.3804	0.0000	225.5513
General Office Building	41.85	8.4952	0.5021	0.0000	21.0464
High Turnover (Sit Down Restaurant)	428.4	86.9613	5.1393	0.0000	215.4430
Hotel	27.38	5.5579	0.3285	0.0000	13.7694
Quality Restaurant	7.3	1.4818	0.0876	0.0000	3.6712
Regional Shopping Center	58.8	11.9359	0.7054	0.0000	29.5706
Total		**207.8079**	**12.2811**	**0.0000**	**514.8354**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Trips and VMT - Local hire provision

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82

tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27
tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2561	46.4415	31.4494	0.0636	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,163.4166	6,163.4166	1.9475	0.0000	6,212.1039
2022	4.5441	38.8811	40.8776	0.1240	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,493.4403	12,493.4403	1.9485	0.0000	12,518.5707
2023	4.1534	25.7658	38.7457	0.1206	7.0088	0.7592	7.7679	1.8799	0.7136	2.5935	0.0000	12,150.4890	12,150.4890	0.9589	0.0000	12,174.4615
2024	237.0219	9.5478	14.9642	0.0239	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,313.1808	2,313.1808	0.7166	0.0000	2,331.0956
Maximum	**237.0219**	**46.4415**	**40.8776**	**0.1240**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,493.4403**	**12,493.4403**	**1.9485**	**0.0000**	**12,518.5707**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2561	46.4415	31.4494	0.0636	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,163.4166	6,163.4166	1.9475	0.0000	6,212.1039
2022	4.5441	38.8811	40.8776	0.1240	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,493.4403	12,493.4403	1.9485	0.0000	12,518.5707
2023	4.1534	25.7658	38.7457	0.1206	7.0088	0.7592	7.7679	1.8799	0.7136	2.5935	0.0000	12,150.4890	12,150.4890	0.9589	0.0000	12,174.4615
2024	237.0219	9.5478	14.9642	0.0239	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,313.1808	2,313.1808	0.7166	0.0000	2,331.0955
Maximum	**237.0219**	**46.4415**	**40.8776**	**0.1240**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,493.4403**	**12,493.4403**	**1.9485**	**0.0000**	**12,518.5707**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Total	**41.1168**	**67.2262**	**207.5497**	**0.6278**	**45.9592**	**2.4626**	**48.4217**	**12.2950**	**2.4385**	**14.7336**	**0.0000**	**76,811.1816**	**76,811.1816**	**2.8282**	**0.4832**	**77,025.8786**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0487	0.0313	0.4282	1.1800e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		117.2799	117.2799	3.5200e-003		117.3678
Total	**0.1760**	**4.1265**	**1.3884**	**0.0131**	**0.3810**	**0.0135**	**0.3946**	**0.1034**	**0.0129**	**0.1163**		**1,409.5212**	**1,409.5212**	**0.0912**		**1,411.8015**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1273	4.0952	0.9602	0.0119	0.2669	0.0126	0.2795	0.0732	0.0120	0.0852		1,292.2413	1,292.2413	0.0877		1,294.4337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0487	0.0313	0.4282	1.1800e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		117.2799	117.2799	3.5200e-003		117.3678
Total	**0.1760**	**4.1265**	**1.3884**	**0.0131**	**0.3810**	**0.0135**	**0.3946**	**0.1034**	**0.0129**	**0.1163**		**1,409.5212**	**1,409.5212**	**0.0912**		**1,411.8015**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0584	0.0375	0.5139	1.4100e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		140.7359	140.7359	4.2200e-003		140.8414
Total	**0.0584**	**0.0375**	**0.5139**	**1.4100e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**140.7359**	**140.7359**	**4.2200e-003**		**140.8414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0584	0.0375	0.5139	1.4100e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		140.7359	140.7359	4.2200e-003		140.8414
Total	**0.0584**	**0.0375**	**0.5139**	**1.4100e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**140.7359**	**140.7359**	**4.2200e-003**		**140.8414**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0649	0.0417	0.5710	1.5700e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		156.3732	156.3732	4.6900e-003		156.4904
Total	**0.0649**	**0.0417**	**0.5710**	**1.5700e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**156.3732**	**156.3732**	**4.6900e-003**		**156.4904**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0649	0.0417	0.5710	1.5700e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		156.3732	156.3732	4.6900e-003		156.4904
Total	**0.0649**	**0.0417**	**0.5710**	**1.5700e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**156.3732**	**156.3732**	**4.6900e-003**		**156.4904**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0376	0.5263	1.5100e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		150.8754	150.8754	4.2400e-003		150.9813
Total	**0.0607**	**0.0376**	**0.5263**	**1.5100e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**150.8754**	**150.8754**	**4.2400e-003**		**150.9813**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0376	0.5263	1.5100e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		150.8754	150.8754	4.2400e-003		150.9813
Total	**0.0607**	**0.0376**	**0.5263**	**1.5100e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**150.8754**	**150.8754**	**4.2400e-003**		**150.9813**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	2.4299	1.5074	21.0801	0.0607	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		6,042.5585	6,042.5585	0.1697		6,046.8000
Total	**2.8378**	**14.7106**	**24.5142**	**0.0971**	**7.0087**	**0.0741**	**7.0828**	**1.8799**	**0.0691**	**1.9490**		**9,939.1067**	**9,939.1067**	**0.3933**		**9,948.9384**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4079	13.2032	3.4341	0.0364	0.9155	0.0248	0.9404	0.2636	0.0237	0.2873		3,896.5482	3,896.5482	0.2236		3,902.1384
Worker	2.4299	1.5074	21.0801	0.0607	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		6,042.5585	6,042.5585	0.1697		6,046.8000
Total	**2.8378**	**14.7106**	**24.5142**	**0.0971**	**7.0087**	**0.0741**	**7.0828**	**1.8799**	**0.0691**	**1.9490**		**9,939.1067**	**9,939.1067**	**0.3933**		**9,948.9384**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	2.2780	1.3628	19.4002	0.0584	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,821.4028	5,821.4028	0.1529		5,825.2254
Total	**2.5807**	**11.3809**	**22.5017**	**0.0936**	**7.0088**	**0.0595**	**7.0682**	**1.8799**	**0.0552**	**1.9350**		**9,595.2790**	**9,595.2790**	**0.3511**		**9,604.0554**

Mitigated Construction On-Site

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	10.0181	3.1014	0.0352	0.9156	0.0116	0.9271	0.2636	0.0111	0.2747		3,773.8762	3,773.8762	0.1982		3,778.8300
Worker	2.2780	1.3628	19.4002	0.0584	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,821.4028	5,821.4028	0.1529		5,825.2254
Total	**2.5807**	**11.3809**	**22.5017**	**0.0936**	**7.0088**	**0.0595**	**7.0682**	**1.8799**	**0.0552**	**1.9350**		**9,595.2790**	**9,595.2790**	**0.3511**		**9,604.0554**

3.6 Paving - 2023

Unmitigated Construction On-Site

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0427	0.0255	0.3633	1.0900e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		109.0150	109.0150	2.8600e-003		109.0866
Total	**0.0427**	**0.0255**	**0.3633**	**1.0900e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**109.0150**	**109.0150**	**2.8600e-003**		**109.0866**

Mitigated Construction On-Site

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0427	0.0255	0.3633	1.0900e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		109.0150	109.0150	2.8600e-003		109.0866
Total	**0.0427**	**0.0255**	**0.3633**	**1.0900e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**109.0150**	**109.0150**	**2.8600e-003**		**109.0866**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0233	0.3384	1.0600e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		105.6336	105.6336	2.6300e-003		105.6992
Total	**0.0403**	**0.0233**	**0.3384**	**1.0600e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**105.6336**	**105.6336**	**2.6300e-003**		**105.6992**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0233	0.3384	1.0600e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		105.6336	105.6336	2.6300e-003		105.6992
Total	**0.0403**	**0.0233**	**0.3384**	**1.0600e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**105.6336**	**105.6336**	**2.6300e-003**		**105.6992**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4296	0.2481	3.6098	0.0113	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,126.7583	1,126.7583	0.0280		1,127.4583
Total	**0.4296**	**0.2481**	**3.6098**	**0.0113**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,126.7583**	**1,126.7583**	**0.0280**		**1,127.4583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4296	0.2481	3.6098	0.0113	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,126.7583	1,126.7583	0.0280		1,127.4583
Total	**0.4296**	**0.2481**	**3.6098**	**0.0113**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,126.7583**	**1,126.7583**	**0.0280**		**1,127.4583**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208
Unmitigated	9.8489	45.4304	114.8495	0.4917	45.9592	0.3360	46.2951	12.2950	0.3119	12.6070		50,306.6034	50,306.6034	2.1807		50,361.1208

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Village South Specific Plan (Proposed)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.00	1000sqft	1.03	45,000.00	0
High Turnover (Sit Down Restaurant)	36.00	1000sqft	0.83	36,000.00	0
Hotel	50.00	Room	1.67	72,600.00	0
Quality Restaurant	8.00	1000sqft	0.18	8,000.00	0
Apartments Low Rise	25.00	Dwelling Unit	1.56	25,000.00	72
Apartments Mid Rise	975.00	Dwelling Unit	25.66	975,000.00	2789
Regional Shopping Center	56.00	1000sqft	1.29	56,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Project Characteristics - Consistent with the DEIR's model.

Land Use - See SWAPE comment regarding residential and retail land uses.

Construction Phase - See SWAPE comment regarding individual construction phase lengths.

Demolition - Consistent with the DEIR's model. See SWAPE comment regarding demolition.

Vehicle Trips - Saturday trips consistent with the DEIR's model. See SWAPE comment regarding weekday and Sunday trips.

Woodstoves - Woodstoves and wood-burning fireplaces consistent with the DEIR's model. See SWAPE comment regarding gas fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - See SWAPE comment on construction-related mitigation.

Area Mitigation - See SWAPE comment regarding operational mitigation measures.

Water Mitigation - See SWAPE comment regarding operational mitigation measures.

Trips and VMT - Local hire provision

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	1.25	0.00
tblFireplaces	NumberWood	48.75	0.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblVehicleTrips	ST_TR	7.16	6.17
tblVehicleTrips	ST_TR	6.39	3.87
tblVehicleTrips	ST_TR	2.46	1.39
tblVehicleTrips	ST_TR	158.37	79.82

tblVehicleTrips	ST_TR	8.19	3.75
tblVehicleTrips	ST_TR	94.36	63.99
tblVehicleTrips	ST_TR	49.97	10.74
tblVehicleTrips	SU_TR	6.07	6.16
tblVehicleTrips	SU_TR	5.86	4.18
tblVehicleTrips	SU_TR	1.05	0.69
tblVehicleTrips	SU_TR	131.84	78.27
tblVehicleTrips	SU_TR	5.95	3.20
tblVehicleTrips	SU_TR	72.16	57.65
tblVehicleTrips	SU_TR	25.24	6.39
tblVehicleTrips	WD_TR	6.59	5.83
tblVehicleTrips	WD_TR	6.65	4.13
tblVehicleTrips	WD_TR	11.03	6.41
tblVehicleTrips	WD_TR	127.15	65.80
tblVehicleTrips	WD_TR	8.17	3.84
tblVehicleTrips	WD_TR	89.95	62.64
tblVehicleTrips	WD_TR	42.70	9.43
tblWoodstoves	NumberCatalytic	1.25	0.00
tblWoodstoves	NumberCatalytic	48.75	0.00
tblWoodstoves	NumberNoncatalytic	1.25	0.00
tblWoodstoves	NumberNoncatalytic	48.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2621	46.4460	31.4068	0.0635	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,154.3377	6,154.3377	1.9472	0.0000	6,203.0186
2022	4.7966	38.8851	39.6338	0.1195	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,035.3440	12,035.3440	1.9482	0.0000	12,060.6013
2023	4.3939	25.8648	37.5031	0.1162	7.0088	0.7598	7.7685	1.8799	0.7142	2.5940	0.0000	11,710.4080	11,710.4080	0.9617	0.0000	11,734.4497
2024	237.0656	9.5503	14.9372	0.0238	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,307.0517	2,307.0517	0.7164	0.0000	2,324.9627
Maximum	**237.0656**	**46.4460**	**39.6338**	**0.1195**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,035.3440**	**12,035.3440**	**1.9482**	**0.0000**	**12,060.6013**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.2621	46.4460	31.4068	0.0635	18.2032	2.0456	20.2488	9.9670	1.8820	11.8490	0.0000	6,154.3377	6,154.3377	1.9472	0.0000	6,203.0186
2022	4.7966	38.8851	39.6338	0.1195	8.8255	1.6361	10.4616	3.6369	1.5052	5.1421	0.0000	12,035.3440	12,035.3440	1.9482	0.0000	12,060.6013
2023	4.3939	25.8648	37.5031	0.1162	7.0088	0.7598	7.7685	1.8799	0.7142	2.5940	0.0000	11,710.4080	11,710.4080	0.9617	0.0000	11,734.4497
2024	237.0656	9.5503	14.9372	0.0238	1.2171	0.4694	1.2875	0.3229	0.4319	0.4621	0.0000	2,307.0517	2,307.0517	0.7164	0.0000	2,324.9627
Maximum	**237.0656**	**46.4460**	**39.6338**	**0.1195**	**18.2032**	**2.0456**	**20.2488**	**9.9670**	**1.8820**	**11.8490**	**0.0000**	**12,035.3440**	**12,035.3440**	**1.9482**	**0.0000**	**12,060.6013**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Energy	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
Mobile	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Total	**40.7912**	**67.7872**	**202.7424**	**0.6043**	**45.9592**	**2.4640**	**48.4231**	**12.2950**	**2.4399**	**14.7349**	**0.0000**	**74,422.3787**	**74,422.3787**	**2.8429**	**0.4832**	**74,637.4417**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/12/2021	5	30	
2	Site Preparation	Site Preparation	10/13/2021	11/9/2021	5	20	
3	Grading	Grading	11/10/2021	1/11/2022	5	45	
4	Building Construction	Building Construction	1/12/2022	12/12/2023	5	500	
5	Paving	Paving	12/13/2023	1/30/2024	5	35	
6	Architectural Coating	Architectural Coating	1/31/2024	3/19/2024	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 2,025,000; Residential Outdoor: 675,000; Non-Residential Indoor: 326,400; Non-Residential Outdoor: 108,800; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	458.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	801.00	143.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	160.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0532	0.0346	0.3963	1.1100e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		110.4707	110.4707	3.3300e-003		110.5539
Total	**0.1835**	**4.1800**	**1.4144**	**0.0128**	**0.3810**	**0.0137**	**0.3948**	**0.1034**	**0.0131**	**0.1165**		**1,380.3262**	**1,380.3262**	**0.0941**		**1,382.6791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3074	0.0000	3.3074	0.5008	0.0000	0.5008			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.3074**	**1.5513**	**4.8588**	**0.5008**	**1.4411**	**1.9419**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1304	4.1454	1.0182	0.0117	0.2669	0.0128	0.2797	0.0732	0.0122	0.0854		1,269.8555	1,269.8555	0.0908		1,272.1252
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0532	0.0346	0.3963	1.1100e-003	0.1141	9.5000e-004	0.1151	0.0303	8.8000e-004	0.0311		110.4707	110.4707	3.3300e-003		110.5539
Total	**0.1835**	**4.1800**	**1.4144**	**0.0128**	**0.3810**	**0.0137**	**0.3948**	**0.1034**	**0.0131**	**0.1165**		**1,380.3262**	**1,380.3262**	**0.0941**		**1,382.6791**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0638	0.0415	0.4755	1.3300e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		132.5649	132.5649	3.9900e-003		132.6646
Total	**0.0638**	**0.0415**	**0.4755**	**1.3300e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**132.5649**	**132.5649**	**3.9900e-003**		**132.6646**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0638	0.0415	0.4755	1.3300e-003	0.1369	1.1400e-003	0.1381	0.0363	1.0500e-003	0.0374		132.5649	132.5649	3.9900e-003		132.6646
Total	**0.0638**	**0.0415**	**0.4755**	**1.3300e-003**	**0.1369**	**1.1400e-003**	**0.1381**	**0.0363**	**1.0500e-003**	**0.0374**		**132.5649**	**132.5649**	**3.9900e-003**		**132.6646**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.0462	0.5284	1.4800e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		147.2943	147.2943	4.4300e-003		147.4051
Total	**0.0709**	**0.0462**	**0.5284**	**1.4800e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**147.2943**	**147.2943**	**4.4300e-003**		**147.4051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.0462	0.5284	1.4800e-003	0.1521	1.2700e-003	0.1534	0.0404	1.1700e-003	0.0415		147.2943	147.2943	4.4300e-003		147.4051
Total	**0.0709**	**0.0462**	**0.5284**	**1.4800e-003**	**0.1521**	**1.2700e-003**	**0.1534**	**0.0404**	**1.1700e-003**	**0.0415**		**147.2943**	**147.2943**	**4.4300e-003**		**147.4051**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0416	0.4861	1.4300e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		142.1207	142.1207	4.0000e-003		142.2207
Total	**0.0665**	**0.0416**	**0.4861**	**1.4300e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**142.1207**	**142.1207**	**4.0000e-003**		**142.2207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0416	0.4861	1.4300e-003	0.1521	1.2300e-003	0.1534	0.0404	1.1300e-003	0.0415		142.1207	142.1207	4.0000e-003		142.2207
Total	**0.0665**	**0.0416**	**0.4861**	**1.4300e-003**	**0.1521**	**1.2300e-003**	**0.1534**	**0.0404**	**1.1300e-003**	**0.0415**		**142.1207**	**142.1207**	**4.0000e-003**		**142.2207**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	2.6620	1.6677	19.4699	0.0571	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		5,691.9354	5,691.9354	0.1602		5,695.9408
Total	**3.0904**	**14.8350**	**23.2704**	**0.0926**	**7.0087**	**0.0749**	**7.0836**	**1.8799**	**0.0699**	**1.9498**		**9,481.0104**	**9,481.0104**	**0.3984**		**9,490.9691**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4284	13.1673	3.8005	0.0354	0.9155	0.0256	0.9412	0.2636	0.0245	0.2881		3,789.0750	3,789.0750	0.2381		3,795.0283
Worker	2.6620	1.6677	19.4699	0.0571	6.0932	0.0493	6.1425	1.6163	0.0454	1.6617		5,691.9354	5,691.9354	0.1602		5,695.9408
Total	**3.0904**	**14.8350**	**23.2704**	**0.0926**	**7.0087**	**0.0749**	**7.0836**	**1.8799**	**0.0699**	**1.9498**		**9,481.0104**	**9,481.0104**	**0.3984**		**9,490.9691**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	2.5029	1.5073	17.8820	0.0550	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,483.7974	5,483.7974	0.1442		5,487.4020
Total	**2.8211**	**11.4799**	**21.2591**	**0.0893**	**7.0088**	**0.0601**	**7.0688**	**1.8799**	**0.0557**	**1.9356**		**9,155.1981**	**9,155.1981**	**0.3538**		**9,164.0437**

Mitigated Construction On-Site

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3183	9.9726	3.3771	0.0343	0.9156	0.0122	0.9277	0.2636	0.0116	0.2752		3,671.4007	3,671.4007	0.2096		3,676.6417
Worker	2.5029	1.5073	17.8820	0.0550	6.0932	0.0479	6.1411	1.6163	0.0441	1.6604		5,483.7974	5,483.7974	0.1442		5,487.4020
Total	**2.8211**	**11.4799**	**21.2591**	**0.0893**	**7.0088**	**0.0601**	**7.0688**	**1.8799**	**0.0557**	**1.9356**		**9,155.1981**	**9,155.1981**	**0.3538**		**9,164.0437**

3.6 Paving - 2023

Unmitigated Construction On-Site

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0282	0.3349	1.0300e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		102.6928	102.6928	2.7000e-003		102.7603
Total	**0.0469**	**0.0282**	**0.3349**	**1.0300e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**102.6928**	**102.6928**	**2.7000e-003**		**102.7603**

Mitigated Construction On-Site

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0282	0.3349	1.0300e-003	0.1141	9.0000e-004	0.1150	0.0303	8.3000e-004	0.0311		102.6928	102.6928	2.7000e-003		102.7603
Total	**0.0469**	**0.0282**	**0.3349**	**1.0300e-003**	**0.1141**	**9.0000e-004**	**0.1150**	**0.0303**	**8.3000e-004**	**0.0311**		**102.6928**	**102.6928**	**2.7000e-003**		**102.7603**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0257	0.3114	1.0000e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		99.5045	99.5045	2.4700e-003		99.5663
Total	**0.0444**	**0.0257**	**0.3114**	**1.0000e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**99.5045**	**99.5045**	**2.4700e-003**		**99.5663**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0257	0.3114	1.0000e-003	0.1141	8.8000e-004	0.1150	0.0303	8.1000e-004	0.0311		99.5045	99.5045	2.4700e-003		99.5663
Total	**0.0444**	**0.0257**	**0.3114**	**1.0000e-003**	**0.1141**	**8.8000e-004**	**0.1150**	**0.0303**	**8.1000e-004**	**0.0311**		**99.5045**	**99.5045**	**2.4700e-003**		**99.5663**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4734	0.2743	3.3220	0.0107	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,061.3818	1,061.3818	0.0264		1,062.0410
Total	**0.4734**	**0.2743**	**3.3220**	**0.0107**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,061.3818**	**1,061.3818**	**0.0264**		**1,062.0410**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**236.5923**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4734	0.2743	3.3220	0.0107	1.2171	9.4300e-003	1.2266	0.3229	8.6800e-003	0.3315		1,061.3818	1,061.3818	0.0264		1,062.0410
Total	**0.4734**	**0.2743**	**3.3220**	**0.0107**	**1.2171**	**9.4300e-003**	**1.2266**	**0.3229**	**8.6800e-003**	**0.3315**		**1,061.3818**	**1,061.3818**	**0.0264**		**1,062.0410**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839
Unmitigated	9.5233	45.9914	110.0422	0.4681	45.9592	0.3373	46.2965	12.2950	0.3132	12.6083		47,917.8005	47,917.8005	2.1953		47,972.6839

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	145.75	154.25	154.00	506,227	506,227
Apartments Mid Rise	4,026.75	3,773.25	4075.50	13,660,065	13,660,065
General Office Building	288.45	62.55	31.05	706,812	706,812
High Turnover (Sit Down Restaurant)	2,368.80	2,873.52	2817.72	3,413,937	3,413,937
Hotel	192.00	187.50	160.00	445,703	445,703
Quality Restaurant	501.12	511.92	461.20	707,488	707,488
Regional Shopping Center	528.08	601.44	357.84	1,112,221	1,112,221
Total	8,050.95	8,164.43	8,057.31	20,552,452	20,552,452

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Apartments Mid Rise	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
General Office Building	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
High Turnover (Sit Down Restaurant)	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Hotel	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Quality Restaurant	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821
Regional Shopping Center	0.543088	0.044216	0.209971	0.116369	0.014033	0.006332	0.021166	0.033577	0.002613	0.001817	0.005285	0.000712	0.000821

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Village South Specific Plan (Proposed) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387
NaturalGas Unmitigated	0.7660	6.7462	4.2573	0.0418		0.5292	0.5292		0.5292	0.5292		8,355.9832	8,355.9832	0.1602	0.1532	8,405.6387

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1119.16	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35784.3	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1283.42	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22759.9	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4769.72	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	251.616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.11916	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6662	131.6662	2.5200e-003	2.4100e-003	132.4486
Apartments Mid Rise	35.7843	0.3859	3.2978	1.4033	0.0211		0.2666	0.2666		0.2666	0.2666		4,209.9164	4,209.9164	0.0807	0.0772	4,234.9339
General Office Building	1.28342	0.0138	0.1258	0.1057	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003		150.9911	150.9911	2.8900e-003	2.7700e-003	151.8884
High Turnover (Sit Down Restaurant)	22.7599	0.2455	2.2314	1.8743	0.0134		0.1696	0.1696		0.1696	0.1696		2,677.6342	2,677.6342	0.0513	0.0491	2,693.5460
Hotel	4.76972	0.0514	0.4676	0.3928	2.8100e-003		0.0355	0.0355		0.0355	0.0355		561.1436	561.1436	0.0108	0.0103	564.4782
Quality Restaurant	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Regional Shopping Center	0.251616	2.7100e-003	0.0247	0.0207	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.6019	29.6019	5.7000e-004	5.4000e-004	29.7778
Total		**0.7660**	**6.7463**	**4.2573**	**0.0418**		**0.5292**	**0.5292**		**0.5292**	**0.5292**		**8,355.9832**	**8,355.9832**	**0.1602**	**0.1532**	**8,405.6387**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192
Unmitigated	30.5020	15.0496	88.4430	0.0944		1.5974	1.5974		1.5974	1.5974	0.0000	18,148.5950	18,148.5950	0.4874	0.3300	18,259.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1085					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6500	14.1000	6.0000	0.0900		1.1400	1.1400		1.1400	1.1400	0.0000	18,000.0000	18,000.0000	0.3450	0.3300	18,106.9650
Landscaping	2.4766	0.9496	82.4430	4.3600e-003		0.4574	0.4574		0.4574	0.4574		148.5950	148.5950	0.1424		152.1542
Total	**30.5020**	**15.0496**	**88.4430**	**0.0944**		**1.5974**	**1.5974**		**1.5974**	**1.5974**	**0.0000**	**18,148.5950**	**18,148.5950**	**0.4874**	**0.3300**	**18,259.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Attachment C

Local Hire Provision Net Change	
Without Local Hire Provision	
Total Construction GHG Emissions (MT CO2e)	3,623
Amortized (MT CO2e/year)	120.77
With Local Hire Provision	
Total Construction GHG Emissions (MT CO2e)	3,024
Amortized (MT CO2e/year)	100.80
% Decrease in Construction-related GHG Emissions	***17%***

EXHIBIT B

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

SOIL WATER AIR PROTECTION ENTERPRISE
2656 29th Street, Suite 201
Santa Monica, California 90405
Attn: Paul Rosenfeld, Ph.D.
Mobil: (310) 795-2335
Office: (310) 452-5555
Fax: (310) 452-5550
Email: prosenfeld@swape.com

Paul Rosenfeld, Ph.D.

Chemical Fate and Transport & Air Dispersion Modeling

Principal Environmental Chemist

Risk Assessment & Remediation Specialist

Education

Ph.D. Soil Chemistry, University of Washington, 1999. Dissertation on volatile organic compound filtration.

M.S. Environmental Science, U.C. Berkeley, 1995. Thesis on organic waste economics.

B.A. Environmental Studies, U.C. Santa Barbara, 1991. Thesis on wastewater treatment.

Professional Experience

Dr. Rosenfeld has over 25 years' experience conducting environmental investigations and risk assessments for evaluating impacts to human health, property, and ecological receptors. His expertise focuses on the fate and transport of environmental contaminants, human health risk, exposure assessment, and ecological restoration. Dr. Rosenfeld has evaluated and modeled emissions from unconventional oil drilling operations, oil spills, landfills, boilers and incinerators, process stacks, storage tanks, confined animal feeding operations, and many other industrial and agricultural sources. His project experience ranges from monitoring and modeling of pollution sources to evaluating impacts of pollution on workers at industrial facilities and residents in surrounding communities.

Dr. Rosenfeld has investigated and designed remediation programs and risk assessments for contaminated sites containing lead, heavy metals, mold, bacteria, particulate matter, petroleum hydrocarbons, chlorinated solvents, pesticides, radioactive waste, dioxins and furans, semi- and volatile organic compounds, PCBs, PAHs, perchlorate, asbestos, per- and poly-fluoroalkyl substances (PFOA/PFOS), unusual polymers, fuel oxygenates (MTBE), among other pollutants. Dr. Rosenfeld also has experience evaluating greenhouse gas emissions from various projects and is an expert on the assessment of odors from industrial and agricultural sites, as well as the evaluation of odor nuisance impacts and technologies for abatement of odorous emissions. As a principal scientist at SWAPE, Dr. Rosenfeld directs air dispersion modeling and exposure assessments. He has served as an expert witness and testified about pollution sources causing nuisance and/or personal injury at dozens of sites and has testified as an expert witness on more than ten cases involving exposure to air contaminants from industrial sources.

Professional History:

Soil Water Air Protection Enterprise (SWAPE); 2003 to present; Principal and Founding Partner
UCLA School of Public Health; 2007 to 2011; Lecturer (Assistant Researcher)
UCLA School of Public Health; 2003 to 2006; Adjunct Professor
UCLA Environmental Science and Engineering Program; 2002-2004; Doctoral Intern Coordinator
UCLA Institute of the Environment, 2001-2002; Research Associate
Komex H_2O Science, 2001 to 2003; Senior Remediation Scientist
National Groundwater Association, 2002-2004; Lecturer
San Diego State University, 1999-2001; Adjunct Professor
Anteon Corp., San Diego, 2000-2001; Remediation Project Manager
Ogden (now Amec), San Diego, 2000-2000; Remediation Project Manager
Bechtel, San Diego, California, 1999 – 2000; Risk Assessor
King County, Seattle, 1996 – 1999; Scientist
James River Corp., Washington, 1995-96; Scientist
Big Creek Lumber, Davenport, California, 1995; Scientist
Plumas Corp., California and USFS, Tahoe 1993-1995; Scientist
Peace Corps and World Wildlife Fund, St. Kitts, West Indies, 1991-1993; Scientist

Publications:

Remy, L.L., Clay T., Byers, V., **Rosenfeld P. E.** (2019) Hospital, Health, and Community Burden After Oil Refinery Fires, Richmond, California 2007 and 2012. *Environmental Health.* 18:48

Simons, R.A., Seo, Y. **Rosenfeld, P.**, (2015) Modeling the Effect of Refinery Emission On Residential Property Value. Journal of Real Estate Research. 27(3):321-342

Chen, J. A, Zapata A. R., Sutherland A. J., Molmen, D.R., Chow, B. S., Wu, L. E., **Rosenfeld, P. E.,** Hesse, R. C., (2012) Sulfur Dioxide and Volatile Organic Compound Exposure To A Community In Texas City Texas Evaluated Using Aermod and Empirical Data. *American Journal of Environmental Science*, 8(6), 622-632.

Rosenfeld, P.E. & Feng, L. (2011). *The Risks of Hazardous Waste.* Amsterdam: Elsevier Publishing.

Cheremisinoff, N.P., & **Rosenfeld, P.E.** (2011). *Handbook of Pollution Prevention and Cleaner Production: Best Practices in the Agrochemical Industry*, Amsterdam: Elsevier Publishing.

Gonzalez, J., Feng, L., Sutherland, A., Waller, C., Sok, H., Hesse, R., **Rosenfeld, P.** (2010). PCBs and Dioxins/Furans in Attic Dust Collected Near Former PCB Production and Secondary Copper Facilities in Sauget, IL. *Procedia Environmental Sciences*. 113–125.

Feng, L., Wu, C., Tam, L., Sutherland, A.J., Clark, J.J., **Rosenfeld, P.E.** (2010). Dioxin and Furan Blood Lipid and Attic Dust Concentrations in Populations Living Near Four Wood Treatment Facilities in the United States. *Journal of Environmental Health*. 73(6), 34-46.

Cheremisinoff, N.P., & **Rosenfeld, P.E.** (2010). *Handbook of Pollution Prevention and Cleaner Production: Best Practices in the Wood and Paper Industries.* Amsterdam: Elsevier Publishing.

Cheremisinoff, N.P., & **Rosenfeld, P.E.** (2009). *Handbook of Pollution Prevention and Cleaner Production: Best Practices in the Petroleum Industry*. Amsterdam: Elsevier Publishing.

Wu, C., Tam, L., Clark, J., **Rosenfeld, P.** (2009). Dioxin and furan blood lipid concentrations in populations living near four wood treatment facilities in the United States. *WIT Transactions on Ecology and the Environment, Air Pollution,* 123 (17), 319-327.

Tam L. K.., Wu C. D., Clark J. J. and **Rosenfeld, P.E.** (2008). A Statistical Analysis Of Attic Dust And Blood Lipid Concentrations Of Tetrachloro-p-Dibenzodioxin (TCDD) Toxicity Equivalency Quotients (TEQ) In Two Populations Near Wood Treatment Facilities. *Organohalogen Compounds*, 70, 002252-002255.

Tam L. K.., Wu C. D., Clark J. J. and **Rosenfeld, P.E.** (2008). Methods For Collect Samples For Assessing Dioxins And Other Environmental Contaminants In Attic Dust: A Review. *Organohalogen Compounds*, 70, 000527-000530.

Hensley, A.R. A. Scott, J. J. J. Clark, **Rosenfeld, P.E.** (2007). Attic Dust and Human Blood Samples Collected near a Former Wood Treatment Facility. *Environmental Research*. 105, 194-197.

Rosenfeld, P.E., J. J. J. Clark, A. R. Hensley, M. Suffet. (2007). The Use of an Odor Wheel Classification for Evaluation of Human Health Risk Criteria for Compost Facilities. *Water Science & Technology* 55(5), 345-357.

Rosenfeld, P. E., M. Suffet. (2007). The Anatomy Of Odour Wheels For Odours Of Drinking Water, Wastewater, Compost And The Urban Environment. *Water Science & Technology* 55(5), 335-344.

Sullivan, P. J. Clark, J.J.J., Agardy, F. J., **Rosenfeld, P.E.** (2007). *Toxic Legacy, Synthetic Toxins in the Food, Water, and Air in American Cities.* Boston Massachusetts: Elsevier Publishing

Rosenfeld, P.E., and Suffet I.H. (2004). Control of Compost Odor Using High Carbon Wood Ash. *Water Science and Technology*. 49(9),171-178.

Rosenfeld P. E., J.J. Clark, I.H. (Mel) Suffet (2004). The Value of An Odor-Quality-Wheel Classification Scheme For The Urban Environment. *Water Environment Federation's Technical Exhibition and Conference (WEFTEC) 2004*. New Orleans, October 2-6, 2004.

Rosenfeld, P.E., and Suffet, I.H. (2004). Understanding Odorants Associated With Compost, Biomass Facilities, and the Land Application of Biosolids. *Water Science and Technology*. 49(9), 193-199.

Rosenfeld, P.E., and Suffet I.H. (2004). Control of Compost Odor Using High Carbon Wood Ash, *Water Science and Technology*, 49(9), 171-178.

Rosenfeld, P. E., Grey, M. A., Sellew, P. (2004). Measurement of Biosolids Odor and Odorant Emissions from Windrows, Static Pile and Biofilter. *Water Environment Research*. 76(4), 310-315.

Rosenfeld, P.E., Grey, M and Suffet, M. (2002). Compost Demonstration Project, Sacramento California Using High-Carbon Wood Ash to Control Odor at a Green Materials Composting Facility. *Integrated Waste Management Board Public Affairs Office*, Publications Clearinghouse (MS–6), Sacramento, CA Publication #442-02-008.

Rosenfeld, P.E., and C.L. Henry. (2001). Characterization of odor emissions from three different biosolids. *Water Soil and Air Pollution*. 127(1-4), 173-191.

Rosenfeld, P.E., and Henry C. L., (2000). Wood ash control of odor emissions from biosolids application. *Journal of Environmental Quality*. 29, 1662-1668.

Rosenfeld, P.E., C.L. Henry and D. Bennett. (2001). Wastewater dewatering polymer affect on biosolids odor emissions and microbial activity. *Water Environment Research*. 73(4), 363-367.

Rosenfeld, P.E., and C.L. Henry. (2001). Activated Carbon and Wood Ash Sorption of Wastewater, Compost, and Biosolids Odorants. *Water Environment Research*, 73, 388-393.

Rosenfeld, P.E., and Henry C. L., (2001). High carbon wood ash effect on biosolids microbial activity and odor. *Water Environment Research*. 131(1-4), 247-262.

Chollack, T. and **P. Rosenfeld.** (1998). Compost Amendment Handbook For Landscaping. Prepared for and distributed by the City of Redmond, Washington State.

Rosenfeld, P. E. (1992). The Mount Liamuiga Crater Trail. *Heritage Magazine of St. Kitts*, 3(2).

Rosenfeld, P. E. (1993). High School Biogas Project to Prevent Deforestation On St. Kitts. *Biomass Users Network*, 7(1).

Rosenfeld, P. E. (1998). Characterization, Quantification, and Control of Odor Emissions From Biosolids Application To Forest Soil. Doctoral Thesis. University of Washington College of Forest Resources.

Rosenfeld, P. E. (1994). Potential Utilization of Small Diameter Trees on Sierra County Public Land. Masters thesis reprinted by the Sierra County Economic Council. Sierra County, California.

Rosenfeld, P. E. (1991). How to Build a Small Rural Anaerobic Digester & Uses Of Biogas In The First And Third World. Bachelors Thesis. University of California.

Presentations:

Rosenfeld, P.E., Sutherland, A; Hesse, R.; Zapata, A. (October 3-6, 2013). Air dispersion modeling of volatile organic emissions from multiple natural gas wells in Decatur, TX. *44th Western Regional Meeting, American Chemical Society.* Lecture conducted from Santa Clara, CA.

Sok, H.L.; Waller, C.C.; Feng, L.; Gonzalez, J.; Sutherland, A.J.; Wisdom-Stack, T.; Sahai, R.K.; Hesse, R.C.; **Rosenfeld, P.E.** (June 20-23, 2010). Atrazine: A Persistent Pesticide in Urban Drinking Water. *Urban Environmental Pollution.* Lecture conducted from Boston, MA.

Feng, L.; Gonzalez, J.; Sok, H.L.; Sutherland, A.J.; Waller, C.C.; Wisdom-Stack, T.; Sahai, R.K.; La, M.; Hesse, R.C.; **Rosenfeld, P.E.** (June 20-23, 2010). Bringing Environmental Justice to East St. Louis, Illinois. *Urban Environmental Pollution.* Lecture conducted from Boston, MA.

Rosenfeld, P.E. (April 19-23, 2009). Perfluoroctanoic Acid (PFOA) and Perfluoroactane Sulfonate (PFOS) Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States. *2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting*, Lecture conducted from Tuscon, AZ.

Rosenfeld, P.E. (April 19-23, 2009). Cost to Filter Atrazine Contamination from Drinking Water in the United States" Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States. *2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting*. Lecture conducted from Tuscon, AZ.

Wu, C., Tam, L., Clark, J., **Rosenfeld, P.** (20-22 July, 2009). Dioxin and furan blood lipid concentrations in populations living near four wood treatment facilities in the United States. Brebbia, C.A. and Popov, V., eds., *Air Pollution XVII: Proceedings of the Seventeenth International Conference on Modeling, Monitoring and Management of Air Pollution.* Lecture conducted from Tallinn, Estonia.

Rosenfeld, P. E. (October 15-18, 2007). Moss Point Community Exposure To Contaminants From A Releasing Facility. *The 23rd Annual International Conferences on Soils Sediment and Water.* Platform lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (October 15-18, 2007). The Repeated Trespass of Tritium-Contaminated Water Into A Surrounding Community Form Repeated Waste Spills From A Nuclear Power Plant. *The 23rd Annual International Conferences on Soils Sediment and Water.* Platform lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (October 15-18, 2007). Somerville Community Exposure To Contaminants From Wood Treatment Facility Emissions. The *23rd Annual International Conferences on Soils Sediment and Water*. Lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld P. E. (March 2007). Production, Chemical Properties, Toxicology, & Treatment Case Studies of 1,2,3-Trichloropropane (TCP). *The Association for Environmental Health and Sciences (AEHS) Annual Meeting*. Lecture conducted from San Diego, CA.

Rosenfeld P. E. (March 2007). Blood and Attic Sampling for Dioxin/Furan, PAH, and Metal Exposure in Florala, Alabama. *The AEHS Annual Meeting*. Lecture conducted from San Diego, CA.

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (August 21 – 25, 2006). Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility. *The 26th International Symposium on Halogenated Persistent Organic Pollutants – DIOXIN2006*. Lecture conducted from Radisson SAS Scandinavia Hotel in Oslo Norway.

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (November 4-8, 2006). Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility. *APHA 134 Annual Meeting & Exposition*. Lecture conducted from Boston Massachusetts.

Paul Rosenfeld Ph.D. (October 24-25, 2005). Fate, Transport and Persistence of PFOA and Related Chemicals. Mealey's C8/PFOA. *Science, Risk & Litigation Conference*. Lecture conducted from The Rittenhouse Hotel, Philadelphia, PA.

Paul Rosenfeld Ph.D. (September 19, 2005). Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, *Toxicology and Remediation PEMA Emerging Contaminant Conference*. Lecture conducted from Hilton Hotel, Irvine California.

Paul Rosenfeld Ph.D. (September 19, 2005). Fate, Transport, Toxicity, And Persistence of 1,2,3-TCP. *PEMA Emerging Contaminant Conference*. Lecture conducted from Hilton Hotel in Irvine, California.

Paul Rosenfeld Ph.D. (September 26-27, 2005). Fate, Transport and Persistence of PDBEs. *Mealey's Groundwater Conference*. Lecture conducted from Ritz Carlton Hotel, Marina Del Ray, California.

Paul Rosenfeld Ph.D. (June 7-8, 2005). Fate, Transport and Persistence of PFOA and Related Chemicals. *International Society of Environmental Forensics: Focus On Emerging Contaminants*. Lecture conducted from Sheraton Oceanfront Hotel, Virginia Beach, Virginia.

Paul Rosenfeld Ph.D. (July 21-22, 2005). Fate Transport, Persistence and Toxicology of PFOA and Related Perfluorochemicals. *2005 National Groundwater Association Ground Water And Environmental Law Conference*. Lecture conducted from Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld Ph.D. (July 21-22, 2005). Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, Toxicology and Remediation. *2005 National Groundwater Association Ground Water and Environmental Law Conference*. Lecture conducted from Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. and Rob Hesse R.G. (May 5-6, 2004). Tert-butyl Alcohol Liability and Toxicology, A National Problem and Unquantified Liability. *National Groundwater Association. Environmental Law Conference*. Lecture conducted from Congress Plaza Hotel, Chicago Illinois.

Paul Rosenfeld, Ph.D. (March 2004). Perchlorate Toxicology. *Meeting of the American Groundwater Trust*. Lecture conducted from Phoenix Arizona.

Hagemann, M.F., **Paul Rosenfeld, Ph.D.** and Rob Hesse (2004). Perchlorate Contamination of the Colorado River. *Meeting of tribal representatives*. Lecture conducted from Parker, AZ.

Paul Rosenfeld, Ph.D. (April 7, 2004). A National Damage Assessment Model For PCE and Dry Cleaners. *Drycleaner Symposium. California Ground Water Association*. Lecture conducted from Radison Hotel, Sacramento, California.

Rosenfeld, P. E., Grey, M., (June 2003) Two stage biofilter for biosolids composting odor control. *Seventh International In Situ And On Site Bioremediation Symposium Battelle Conference* Orlando, FL.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. (February 20-21, 2003) Understanding Historical Use, Chemical Properties, Toxicity and Regulatory Guidance of 1,4 Dioxane. *National Groundwater Association. Southwest Focus Conference. Water Supply and Emerging Contaminants*.. Lecture conducted from Hyatt Regency Phoenix Arizona.

Paul Rosenfeld, Ph.D. (February 6-7, 2003). Underground Storage Tank Litigation and Remediation. *California CUPA Forum*. Lecture conducted from Marriott Hotel, Anaheim California.

Paul Rosenfeld, Ph.D. (October 23, 2002) Underground Storage Tank Litigation and Remediation. *EPA Underground Storage Tank Roundtable*. Lecture conducted from Sacramento California.

Rosenfeld, P.E. and Suffet, M. (October 7- 10, 2002). Understanding Odor from Compost, *Wastewater and Industrial Processes. Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association*. Lecture conducted from Barcelona Spain.

Rosenfeld, P.E. and Suffet, M. (October 7- 10, 2002). Using High Carbon Wood Ash to Control Compost Odor. *Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association*. Lecture conducted from Barcelona Spain.

Rosenfeld, P.E. and Grey, M. A. (September 22-24, 2002). Biocycle Composting For Coastal Sage Restoration. *Northwest Biosolids Management Association*. Lecture conducted from Vancouver Washington..

Rosenfeld, P.E. and Grey, M. A. (November 11-14, 2002). Using High-Carbon Wood Ash to Control Odor at a Green Materials Composting Facility. *Soil Science Society Annual Conferenc*e. Lecture conducted from Indianapolis, Maryland.

Rosenfeld. P.E. (September 16, 2000). Two stage biofilter for biosolids composting odor control. *Water Environment Federation.* Lecture conducted from Anaheim California.

Rosenfeld. P.E. (October 16, 2000). Wood ash and biofilter control of compost odor. *Biofest.* Lecture conducted from Ocean Shores, California.

Rosenfeld, P.E. (2000). Bioremediation Using Organic Soil Amendments. *California Resource Recovery Association*. Lecture conducted from Sacramento California.

Rosenfeld, P.E., C.L. Henry, R. Harrison. (1998). Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. *Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings*. Lecture conducted from Bellevue Washington.

Rosenfeld, P.E., and C.L. Henry. (1999). An evaluation of ash incorporation with biosolids for odor reduction. *Soil Science Society of America*. Lecture conducted from Salt Lake City Utah.

Rosenfeld, P.E., C.L. Henry, R. Harrison. (1998). Comparison of Microbial Activity and Odor Emissions from Three Different Biosolids Applied to Forest Soil. *Brown and Caldwell.* Lecture conducted from Seattle Washington.

Rosenfeld, P.E., C.L. Henry. (1998). Characterization, Quantification, and Control of Odor Emissions from Biosolids Application To Forest Soil. *Biofest.* Lecture conducted from Lake Chelan, Washington.

Rosenfeld, P.E, C.L. Henry, R. Harrison. (1998). Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings. Lecture conducted from Bellevue Washington.

Rosenfeld, P.E., C.L. Henry, R. B. Harrison, and R. Dills. (1997). Comparison of Odor Emissions From Three Different Biosolids Applied to Forest Soil. *Soil Science Society of America*. Lecture conducted from Anaheim California.

Teaching Experience:

UCLA Department of Environmental Health (Summer 2003 through 20010) Taught Environmental Health Science 100 to students, including undergrad, medical doctors, public health professionals and nurses. Course focused on the health effects of environmental contaminants.

National Ground Water Association, Successful Remediation Technologies. Custom Course in Sante Fe, New Mexico. May 21, 2002. Focused on fate and transport of fuel contaminants associated with underground storage tanks.

National Ground Water Association; Successful Remediation Technologies Course in Chicago Illinois. April 1, 2002. Focused on fate and transport of contaminants associated with Superfund and RCRA sites.

California Integrated Waste Management Board, April and May, 2001. Alternative Landfill Caps Seminar in San Diego, Ventura, and San Francisco. Focused on both prescriptive and innovative landfill cover design.

UCLA Department of Environmental Engineering, February 5, 2002. Seminar on Successful Remediation Technologies focusing on Groundwater Remediation.

University Of Washington, Soil Science Program, Teaching Assistant for several courses including: Soil Chemistry, Organic Soil Amendments, and Soil Stability.

U.C. Berkeley, Environmental Science Program Teaching Assistant for Environmental Science 10.

Academic Grants Awarded:

California Integrated Waste Management Board. $41,000 grant awarded to UCLA Institute of the Environment. Goal: To investigate effect of high carbon wood ash on volatile organic emissions from compost. 2001.

Synagro Technologies, Corona California: $10,000 grant awarded to San Diego State University.
Goal: investigate effect of biosolids for restoration and remediation of degraded coastal sage soils. 2000.

King County, Department of Research and Technology, Washington State. $100,000 grant awarded to University of Washington: Goal: To investigate odor emissions from biosolids application and the effect of polymers and ash on VOC emissions. 1998.

Northwest Biosolids Management Association, Washington State. $20,000 grant awarded to investigate effect of polymers and ash on VOC emissions from biosolids. 1997.

James River Corporation, Oregon: $10,000 grant was awarded to investigate the success of genetically engineered Poplar trees with resistance to round-up. 1996.

United State Forest Service, Tahoe National Forest: $15,000 grant was awarded to investigating fire ecology of the Tahoe National Forest. 1995.

Kellogg Foundation, Washington D.C. $500 grant was awarded to construct a large anaerobic digester on St. Kitts in West Indies. 1993

Deposition and/or Trial Testimony:

In the United States District Court For The District of New Jersey
Duarte et al, *Plaintiffs,* vs. United States Metals Refining Company et. al. *Defendant.*
Case No.: 2:17-cv-01624-ES-SCM
Rosenfeld Deposition. 6-7-2019

In the United States District Court of Southern District of Texas Galveston Division
M/T Carla Maersk, *Plaintiffs,* vs. Conti 168., Schiffahrts-GMBH & Co. Bulker KG MS "Conti Perdido" *Defendant.*
Case No.: 3:15-CV-00106 consolidated with 3:15-CV-00237
Rosenfeld Deposition. 5-9-2019

In The Superior Court of the State of California In And For The County Of Los Angeles – Santa Monica
Carole-Taddeo-Bates et al., vs. Ifran Khan et al., Defendants
Case No.: No. BC615636
Rosenfeld Deposition, 1-26-2019

In The Superior Court of the State of California In And For The County Of Los Angeles – Santa Monica
The San Gabriel Valley Council of Governments et al. vs El Adobe Apts. Inc. et al., Defendants
Case No.: No. BC646857
Rosenfeld Deposition, 10-6-2018; Trial 3-7-19

In United States District Court For The District of Colorado
Bells et al. Plaintiff vs. The 3M Company et al., Defendants
Case: No 1:16-cv-02531-RBJ
Rosenfeld Deposition, 3-15-2018 and 4-3-2018

In The District Court Of Regan County, Texas, 112th Judicial District
Phillip Bales et al., Plaintiff vs. Dow Agrosciences, LLC, et al., Defendants
Cause No 1923
Rosenfeld Deposition, 11-17-2017

In The Superior Court of the State of California In And For The County Of Contra Costa
Simons et al., Plaintiffs vs. Chevron Corporation, et al., Defendants
Cause No C12-01481
Rosenfeld Deposition, 11-20-2017

In The Circuit Court Of The Twentieth Judicial Circuit, St Clair County, Illinois
Martha Custer et al., Plaintiff vs. Cerro Flow Products, Inc., Defendants
Case No.: No. 0i9-L-2295
Rosenfeld Deposition, 8-23-2017

In The Superior Court of the State of California, For The County of Los Angeles
Warrn Gilbert and Penny Gilber, Plaintiff vs. BMW of North America LLC
Case No.: LC102019 (c/w BC582154)
Rosenfeld Deposition, 8-16-2017, Trail 8-28-2018

In the Northern District Court of Mississippi, Greenville Division
Brenda J. Cooper, et al., *Plaintiffs,* vs. Meritor Inc., et al., *Defendants*
Case Number: 4:16-cv-52-DMB-JVM
Rosenfeld Deposition: July 2017

In The Superior Court of the State of Washington, County of Snohomish
Michael Davis and Julie Davis et al., Plaintiff vs. Cedar Grove Composting Inc., Defendants
Case No.: No. 13-2-03987-5
Rosenfeld Deposition, February 2017
Trial, March 2017

In The Superior Court of the State of California, County of Alameda
Charles Spain., Plaintiff vs. Thermo Fisher Scientific, et al., Defendants
Case No.: RG14711115
Rosenfeld Deposition, September 2015

In The Iowa District Court In And For Poweshiek County
Russell D. Winburn, et al., Plaintiffs vs. Doug Hoksbergen, et al., Defendants
Case No.: LALA002187
Rosenfeld Deposition, August 2015

In The Iowa District Court For Wapello County
Jerry Dovico, et al., Plaintiffs vs. Valley View Sine LLC, et al., Defendants
Law No,: LALA105144 - Division A
Rosenfeld Deposition, August 2015

In The Iowa District Court For Wapello County
Doug Pauls, et al.,, et al., Plaintiffs vs. Richard Warren, et al., Defendants
Law No,: LALA105144 - Division A
Rosenfeld Deposition, August 2015

In The Circuit Court of Ohio County, West Virginia
Robert Andrews, et al. v. Antero, et al.
Civil Action N0. 14-C-30000
Rosenfeld Deposition, June 2015

In The Third Judicial District County of Dona Ana, New Mexico
Betty Gonzalez, et al. Plaintiffs vs. Del Oro Dairy, Del Oro Real Estate LLC, Jerry Settles and Deward DeRuyter, Defendants
Rosenfeld Deposition: July 2015

In The Iowa District Court For Muscatine County
Laurie Freeman et. al. Plaintiffs vs. Grain Processing Corporation, Defendant
Case No 4980
Rosenfeld Deposition: May 2015

In the Circuit Court of the 17th Judicial Circuit, in and For Broward County, Florida
Walter Hinton, et. al. Plaintiff, vs. City of Fort Lauderdale, Florida, a Municipality, Defendant.
Case Number CACE07030358 (26)
Rosenfeld Deposition: December 2014

In the United States District Court Western District of Oklahoma
Tommy McCarty, et al., Plaintiffs, v. Oklahoma City Landfill, LLC d/b/a Southeast Oklahoma City Landfill, et al. Defendants.
Case No. 5:12-cv-01152-C
Rosenfeld Deposition: July 2014

In the County Court of Dallas County Texas
Lisa Parr et al, *Plaintiff,* vs. Aruba et al, *Defendant.*
Case Number cc-11-01650-E
Rosenfeld Deposition: March and September 2013
Rosenfeld Trial: April 2014

In the Court of Common Pleas of Tuscarawas County Ohio
John Michael Abicht, et al., *Plaintiffs,* vs. Republic Services, Inc., et al., *Defendants*
Case Number: 2008 CT 10 0741 (Cons. w/ 2009 CV 10 0987)
Rosenfeld Deposition: October 2012

In the United States District Court of Southern District of Texas Galveston Division
Kyle Cannon, Eugene Donovan, Genaro Ramirez, Carol Sassler, and Harvey Walton, each Individually and on behalf of those similarly situated, *Plaintiffs,* vs. BP Products North America, Inc., *Defendant.*
Case 3:10-cv-00622
Rosenfeld Deposition: February 2012
Rosenfeld Trial: April 2013

In the Circuit Court of Baltimore County Maryland
Philip E. Cvach, II et al., *Plaintiffs* vs. Two Farms, Inc. d/b/a Royal Farms, Defendants
Case Number: 03-C-12-012487 OT
Rosenfeld Deposition: September 2013

EXHIBIT C

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

1640 5th St., Suite 204 Santa
Santa Monica, California 90401
Tel: (949) 887-9013
Email: mhagemann@swape.com

Matthew F. Hagemann, P.G., C.Hg., QSD, QSP

Geologic and Hydrogeologic Characterization
Industrial Stormwater Compliance
Investigation and Remediation Strategies
Litigation Support and Testifying Expert
CEQA Review

Education:

M.S. Degree, Geology, California State University Los Angeles, Los Angeles, CA, 1984.
B.A. Degree, Geology, Humboldt State University, Arcata, CA, 1982.

Professional Certifications:

California Professional Geologist
California Certified Hydrogeologist
Qualified SWPPP Developer and Practitioner

Professional Experience:

Matt has 25 years of experience in environmental policy, assessment and remediation. He spent nine years with the U.S. EPA in the RCRA and Superfund programs and served as EPA's Senior Science Policy Advisor in the Western Regional Office where he identified emerging threats to groundwater from perchlorate and MTBE. While with EPA, Matt also served as a Senior Hydrogeologist in the oversight of the assessment of seven major military facilities undergoing base closure. He led numerous enforcement actions under provisions of the Resource Conservation and Recovery Act (RCRA) while also working with permit holders to improve hydrogeologic characterization and water quality monitoring.

Matt has worked closely with U.S. EPA legal counsel and the technical staff of several states in the application and enforcement of RCRA, Safe Drinking Water Act and Clean Water Act regulations. Matt has trained the technical staff in the States of California, Hawaii, Nevada, Arizona and the Territory of Guam in the conduct of investigations, groundwater fundamentals, and sampling techniques.

Positions Matt has held include:

- Founding Partner, Soil/Water/Air Protection Enterprise (SWAPE) (2003 – present);
- Geology Instructor, Golden West College, 2010 – 2014;
- Senior Environmental Analyst, Komex H2O Science, Inc. (2000 -- 2003);

- Executive Director, Orange Coast Watch (2001 – 2004);
- Senior Science Policy Advisor and Hydrogeologist, U.S. Environmental Protection Agency (1989–1998);
- Hydrogeologist, National Park Service, Water Resources Division (1998 – 2000);
- Adjunct Faculty Member, San Francisco State University, Department of Geosciences (1993 – 1998);
- Instructor, College of Marin, Department of Science (1990 – 1995);
- Geologist, U.S. Forest Service (1986 – 1998); and
- Geologist, Dames & Moore (1984 – 1986).

Senior Regulatory and Litigation Support Analyst:

With SWAPE, Matt's responsibilities have included:

- Lead analyst and testifying expert in the review of over 100 environmental impact reports since 2003 under CEQA that identify significant issues with regard to hazardous waste, water resources, water quality, air quality, Valley Fever, greenhouse gas emissions, and geologic hazards. Make recommendations for additional mitigation measures to lead agencies at the local and county level to include additional characterization of health risks and implementation of protective measures to reduce worker exposure to hazards from toxins and Valley Fever.
- Stormwater analysis, sampling and best management practice evaluation at industrial facilities.
- Manager of a project to provide technical assistance to a community adjacent to a former Naval shipyard under a grant from the U.S. EPA.
- Technical assistance and litigation support for vapor intrusion concerns.
- Lead analyst and testifying expert in the review of environmental issues in license applications for large solar power plants before the California Energy Commission.
- Manager of a project to evaluate numerous formerly used military sites in the western U.S.
- Manager of a comprehensive evaluation of potential sources of perchlorate contamination in Southern California drinking water wells.
- Manager and designated expert for litigation support under provisions of Proposition 65 in the review of releases of gasoline to sources drinking water at major refineries and hundreds of gas stations throughout California.
- Expert witness on two cases involving MTBE litigation.
- Expert witness and litigation support on the impact of air toxins and hazards at a school.
- Expert witness in litigation at a former plywood plant.

With Komex H2O Science Inc., Matt's duties included the following:

- Senior author of a report on the extent of perchlorate contamination that was used in testimony by the former U.S. EPA Administrator and General Counsel.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of MTBE use, research, and regulation.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of perchlorate use, research, and regulation.
- Senior researcher in a study that estimates nationwide costs for MTBE remediation and drinking water treatment, results of which were published in newspapers nationwide and in testimony against provisions of an energy bill that would limit liability for oil companies.
- Research to support litigation to restore drinking water supplies that have been contaminated by MTBE in California and New York.

- Expert witness testimony in a case of oil production-related contamination in Mississippi.
- Lead author for a multi-volume remedial investigation report for an operating school in Los Angeles that met strict regulatory requirements and rigorous deadlines.

- Development of strategic approaches for cleanup of contaminated sites in consultation with clients and regulators.

Executive Director:

As Executive Director with Orange Coast Watch, Matt led efforts to restore water quality at Orange County beaches from multiple sources of contamination including urban runoff and the discharge of wastewater. In reporting to a Board of Directors that included representatives from leading Orange County universities and businesses, Matt prepared issue papers in the areas of treatment and disinfection of wastewater and control of the discharge of grease to sewer systems. Matt actively participated in the development of countywide water quality permits for the control of urban runoff and permits for the discharge of wastewater. Matt worked with other nonprofits to protect and restore water quality, including Surfrider, Natural Resources Defense Council and Orange County CoastKeeper as well as with business institutions including the Orange County Business Council.

Hydrogeology:

As a Senior Hydrogeologist with the U.S. Environmental Protection Agency, Matt led investigations to characterize and cleanup closing military bases, including Mare Island Naval Shipyard, Hunters Point Naval Shipyard, Treasure Island Naval Station, Alameda Naval Station, Moffett Field, Mather Army Airfield, and Sacramento Army Depot. Specific activities were as follows:

- Led efforts to model groundwater flow and contaminant transport, ensured adequacy of monitoring networks, and assessed cleanup alternatives for contaminated sediment, soil, and groundwater.
- Initiated a regional program for evaluation of groundwater sampling practices and laboratory analysis at military bases.
- Identified emerging issues, wrote technical guidance, and assisted in policy and regulation development through work on four national U.S. EPA workgroups, including the Superfund Groundwater Technical Forum and the Federal Facilities Forum.

At the request of the State of Hawaii, Matt developed a methodology to determine the vulnerability of groundwater to contamination on the islands of Maui and Oahu. He used analytical models and a GIS to show zones of vulnerability, and the results were adopted and published by the State of Hawaii and County of Maui.

As a hydrogeologist with the EPA Groundwater Protection Section, Matt worked with provisions of the Safe Drinking Water Act and NEPA to prevent drinking water contamination. Specific activities included the following:

- Received an EPA Bronze Medal for his contribution to the development of national guidance for the protection of drinking water.
- Managed the Sole Source Aquifer Program and protected the drinking water of two communities through designation under the Safe Drinking Water Act. He prepared geologic reports, conducted public hearings, and responded to public comments from residents who were very concerned about the impact of designation.

- Reviewed a number of Environmental Impact Statements for planned major developments, including large hazardous and solid waste disposal facilities, mine reclamation, and water transfer.

Matt served as a hydrogeologist with the RCRA Hazardous Waste program. Duties were as follows:

- Supervised the hydrogeologic investigation of hazardous waste sites to determine compliance with Subtitle C requirements.
- Reviewed and wrote "part B" permits for the disposal of hazardous waste.
- Conducted RCRA Corrective Action investigations of waste sites and led inspections that formed the basis for significant enforcement actions that were developed in close coordination with U.S. EPA legal counsel.
- Wrote contract specifications and supervised contractor's investigations of waste sites.

With the National Park Service, Matt directed service-wide investigations of contaminant sources to prevent degradation of water quality, including the following tasks:

- Applied pertinent laws and regulations including CERCLA, RCRA, NEPA, NRDA, and the Clean Water Act to control military, mining, and landfill contaminants.
- Conducted watershed-scale investigations of contaminants at parks, including Yellowstone and Olympic National Park.
- Identified high-levels of perchlorate in soil adjacent to a national park in New Mexico and advised park superintendent on appropriate response actions under CERCLA.
- Served as a Park Service representative on the Interagency Perchlorate Steering Committee, a national workgroup.
- Developed a program to conduct environmental compliance audits of all National Parks while serving on a national workgroup.
- Co-authored two papers on the potential for water contamination from the operation of personal watercraft and snowmobiles, these papers serving as the basis for the development of nation-wide policy on the use of these vehicles in National Parks.
- Contributed to the Federal Multi-Agency Source Water Agreement under the Clean Water Action Plan.

Policy:

Served senior management as the Senior Science Policy Advisor with the U.S. Environmental Protection Agency, Region 9. Activities included the following:

- Advised the Regional Administrator and senior management on emerging issues such as the potential for the gasoline additive MTBE and ammonium perchlorate to contaminate drinking water supplies.
- Shaped EPA's national response to these threats by serving on workgroups and by contributing to guidance, including the Office of Research and Development publication, Oxygenates in Water: Critical Information and Research Needs.
- Improved the technical training of EPA's scientific and engineering staff.
- Earned an EPA Bronze Medal for representing the region's 300 scientists and engineers in negotiations with the Administrator and senior management to better integrate scientific principles into the policy-making process.
- Established national protocol for the peer review of scientific documents.

Geology:

With the U.S. Forest Service, Matt led investigations to determine hillslope stability of areas proposed for timber harvest in the central Oregon Coast Range. Specific activities were as follows:

- Mapped geology in the field, and used aerial photographic interpretation and mathematical models to determine slope stability.
- Coordinated his research with community members who were concerned with natural resource protection.
- Characterized the geology of an aquifer that serves as the sole source of drinking water for the city of Medford, Oregon.

As a consultant with Dames and Moore, Matt led geologic investigations of two contaminated sites (later listed on the Superfund NPL) in the Portland, Oregon, area and a large hazardous waste site in eastern Oregon. Duties included the following:

- Supervised year-long effort for soil and groundwater sampling.
- Conducted aquifer tests.
- Investigated active faults beneath sites proposed for hazardous waste disposal.

Teaching:

From 1990 to 1998, Matt taught at least one course per semester at the community college and university levels:

- At San Francisco State University, held an adjunct faculty position and taught courses in environmental geology, oceanography (lab and lecture), hydrogeology, and groundwater contamination.
- Served as a committee member for graduate and undergraduate students.
- Taught courses in environmental geology and oceanography at the College of Marin.

Matt taught physical geology (lecture and lab and introductory geology at Golden West College in Huntington Beach, California from 2010 to 2014.

Invited Testimony, Reports, Papers and Presentations:

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Presentation to the Public Environmental Law Conference, Eugene, Oregon.

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Invited presentation to U.S. EPA Region 9, San Francisco, California.

Hagemann, M.F., 2005. Use of Electronic Databases in Environmental Regulation, Policy Making and Public Participation. Brownfields 2005, Denver, Coloradao.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Nevada and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Las Vegas, NV (served on conference organizing committee).

Hagemann, M.F., 2004. Invited testimony to a California Senate committee hearing on air toxins at schools in Southern California, Los Angeles.

Brown, A., Farrow, J., Gray, A. and **Hagemann, M.**, 2004. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to the Ground Water and Environmental Law Conference, National Groundwater Association.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Arizona and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Phoenix, AZ (served on conference organizing committee).

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in the Southwestern U.S. Invited presentation to a special committee meeting of the National Academy of Sciences, Irvine, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to a tribal EPA meeting, Pechanga, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to a meeting of tribal repesentatives, Parker, AZ.

Hagemann, M.F., 2003. Impact of Perchlorate on the Colorado River and Associated Drinking Water Supplies. Invited presentation to the Inter-Tribal Meeting, Torres Martinez Tribe.

Hagemann, M.F., 2003. The Emergence of Perchlorate as a Widespread Drinking Water Contaminant. Invited presentation to the U.S. EPA Region 9.

Hagemann, M.F., 2003. A Deductive Approach to the Assessment of Perchlorate Contamination. Invited presentation to the California Assembly Natural Resources Committee.

Hagemann, M.F., 2003. Perchlorate: A Cold War Legacy in Drinking Water. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. From Tank to Tap: A Chronology of MTBE in Groundwater. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. A Chronology of MTBE in Groundwater and an Estimate of Costs to Address Impacts to Groundwater. Presentation to the annual meeting of the Society of Environmental Journalists.

Hagemann, M.F., 2002. An Estimate of the Cost to Address MTBE Contamination in Groundwater (and Who Will Pay). Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to a meeting of the U.S. EPA and State Underground Storage Tank Program managers.

Hagemann, M.F., 2001. From Tank to Tap: A Chronology of MTBE in Groundwater. Unpublished report.

Hagemann, M.F., 2001. Estimated Cleanup Cost for MTBE in Groundwater Used as Drinking Water. Unpublished report.

Hagemann, M.F., 2001. Estimated Costs to Address MTBE Releases from Leaking Underground Storage Tanks. Unpublished report.

Hagemann, M.F., and VanMouwerik, M., 1999. Potential Water Quality Concerns Related to Snowmobile Usage. Water Resources Division, National Park Service, Technical Report.

VanMouwerik, M. and **Hagemann, M.F.** 1999, Water Quality Concerns Related to Personal Watercraft Usage. Water Resources Division, National Park Service, Technical Report.

Hagemann, M.F., 1999, Is Dilution the Solution to Pollution in National Parks? The George Wright Society Biannual Meeting, Asheville, North Carolina.

Hagemann, M.F., 1997, The Potential for MTBE to Contaminate Groundwater. U.S. EPA Superfund Groundwater Technical Forum Annual Meeting, Las Vegas, Nevada.

Hagemann, M.F., and Gill, M., 1996, Impediments to Intrinsic Remediation, Moffett Field Naval Air Station, Conference on Intrinsic Remediation of Chlorinated Hydrocarbons, Salt Lake City.

Hagemann, M.F., Fukunaga, G.L., 1996, The Vulnerability of Groundwater to Anthropogenic Contaminants on the Island of Maui, Hawaii. Hawaii Water Works Association Annual Meeting, Maui, October 1996.

Hagemann, M. F., Fukanaga, G. L., 1996, Ranking Groundwater Vulnerability in Central Oahu, Hawaii. Proceedings, Geographic Information Systems in Environmental Resources Management, Air and Waste Management Association Publication VIP-61.

Hagemann, M.F., 1994. Groundwater Characterization and Cleanup at Closing Military Bases in California. Proceedings, California Groundwater Resources Association Meeting.

Hagemann, M.F. and Sabol, M.A., 1993. Role of the U.S. EPA in the High Plains States Groundwater Recharge Demonstration Program. Proceedings, Sixth Biennial Symposium on the Artificial Recharge of Groundwater.

Hagemann, M.F., 1993. U.S. EPA Policy on the Technical Impracticability of the Cleanup of DNAPL-contaminated Groundwater. California Groundwater Resources Association Meeting.

Hagemann, M.F., 1992. Dense Nonaqueous Phase Liquid Contamination of Groundwater: An Ounce of Prevention... Proceedings, Association of Engineering Geologists Annual Meeting, v. 35.

Other Experience:

Selected as subject matter expert for the California Professional Geologist licensing examination, 2009-2011.

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Em: info@mitchtsailaw.com

Mitchell M. Tsai
Attorney At Law

139 South Hudson Avenue
Suite 200
Pasadena, California 91101

VIA E-MAIL

August 17, 2022

Jennifer Alderete, Acting City Clerk
City of Artesia
18747 Clarkdale Avenue
Artesia, CA 90701
Em: jalderete@cityofartesia.us

Okina Dor, Community Development Director
City of Artesia
18747 Clarkdale Avenue
Artesia, CA 90701
Em: planning@cityofartesia.us

RE: Public Records Act and Mailing List Request Regarding Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment (SCH #: 2022080202).

Dear Jennifer Alderete and Okina Dor,

On behalf of Southwest Regional Council of Carpenters ("**SWRCC**" or "**Southwest Carpenters"**) and its members, this Office requests that the City of Artesia ("**City**" or "**Lead Agency**") provide any and all information referring or related to the Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment (SCH #: 2022080202)("**Project**") pursuant to the California Public Records Act ("**PRA**"), Cal. Government ("**Gov't**") Code §§ 6250–6270 (collectively "**PRA Request**").

Moreover, SWRCC requests that City provide notice for any and all notices referring or related to the Project issued under the California Environmental Quality Act ("**CEQA**"), Cal Public Resources Code ("**PRC**") § 21000 *et seq*, and the California Planning and Zoning Law ("**Planning and Zoning Law**"), Cal. Gov't Code §§ 65000–65010. California Public Resources Code Sections 21092.2, and 21167(f) and Government Code Section 65092 require agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

The Southwest Regional Council of Carpenters is a labor union representing more than 57,000 union carpenters in six states, including California, and has a strong interest in well-ordered land use planning and addressing the environmental impacts of development projects, such as the Project.

I. PUBLIC RECORDS ACT REQUEST.

Southwest Carpenters is requesting any and all information referring or related to the Project.

The Public Records Act defines the term "public record" broadly as "any writing containing information relating to the conduct of the public's business . . . regardless of physical form and characteristics." Gov't Code § 6252(d). "Records" includes all communications relating to public business regardless of physical form or characteristics, including but not limited to any writing, picture, sound, or symbol, whether paper, magnetic, electronic, text, other media, or written verification of any oral communication. Included in this request are any references in any appointment calendars and applications, phone records, or text records. These "records" are to include, but are not limited to correspondences, e-mails, reports, letters, memorandums, and communications by any employee or elected official of City concerning the Project.

Please include in your response to this request the following examples of "records," as well as any similar physical or electronic forms of communication: any form of writing such as correspondence, electronic mail records ("email"), legal and factual memoranda, facsimiles, photographs, maps, videotapes, film, data, reports, notes, audiotapes, or drawings. Cal. Government Code § 6252(g) (defining a writing to including "any record thereby created, regardless of the manner in which the record has been stored"). Responsive correspondence should include, inter alia, emails, text messages, or any other form of communication regardless of whether they were sent or received on public or privately-owned electronic devices "relating to the conduct of the public's business." Cal. Government Code § 6252(e); *Citizens for Ceres v. Super. Ct.* ("*Ceres*") (2013) 217 Cal. App. 4th 889, 909; *Citizens for Open Gov't v. City of Lodi ("Lodi")* (2012) 205 Cal.App.4th 296, 307, 311; *City of San Jose v. Superior Court* (2017) 2 Cal. 5th 608, 625 (finding that a public employee or officer's "writings about public business are not excluded" from the California Public Records Act "simply because they have been sent, received, or stored in a personal account.") .

This Office requests any and all information referring or related to the Project, including but not limited to:

(1) All Project application materials;

(2) All staff reports and related documents prepared by the City with respect to its compliance with the substantive and procedural requirements of the California Environmental Quality Act, Public Resources Code § 21000 et seq., and the CEQA Guidelines, title 14, California Code of Regulations, § 15000 et seq. (collectively "**CEQA**") and with respect to the action on the Project;

(3) All staff reports and related documents prepared by the City and written testimony or documents submitted by any person relevant to any findings or statement of overriding considerations adopted by the agency pursuant to CEQA;

(4) Any transcript or minutes of the proceedings at which the decisionmaking body of the City heard testimony on, or considered any environmental document on, the Project, and any transcript or minutes of proceedings before any advisory body to the public agency that were presented to the decisionmaking body prior to action on the environmental documents or on the Project;

(5) All notices issued by the City to comply with CEQA or with any other law governing the processing and approval of the Project;

(6) All written comments received in response to, or in connection with, environmental documents prepared for the Project, including responses to the notice of preparation;

(7) All written evidence or correspondence submitted to, or transferred from, the City with respect to compliance with CEQA or with respect to the Project;

(8) Any proposed decisions or findings submitted to the decisionmaking body of the City by its staff, or the Project proponent, Project opponents, or other persons;

(9) The documentation of the final City decision and approvals, including the final environmental impact report, mitigated negative

declaration, negative declaration, or notice of exemption, and all documents, in addition to those referenced in paragraph (3), cited or relied on in the findings or in a statement of overriding considerations adopted pursuant to CEQA;

(10) Any other written materials relevant to the public agency's compliance with CEQA or to its decision on the merits of the Project, including the initial study, any drafts of any environmental document, or portions thereof, that have been released for public review, and copies of studies or other documents relied upon in any environmental document prepared for the Project and either made available to the public during the public review period or included in the City 's files on the Project, and all internal agency communications, including staff notes and memoranda related to the Project or to compliance with CEQA; and

(11) The full written record before any inferior administrative decisionmaking body whose decision was appealed to a superior administrative decisionmaking body prior to the filing of any litigation.

Please respond within 10 days from the date you receive this request as to whether this request specifies identifiable records not exempt from disclosure under the PRA or otherwise privileged or confidential, and are therefore subject to disclosure. This Office understands that this time may be extended up to 14 days for unusual circumstances as provided by Cal. Government Code § 6253(c), and that we will be notified of any extension and the reasons justifying it.

We request that you provide all documents in electronic format and waive any and all fees associated with this Request. SWRCC is a community-based organization. Please notify and obtain express approval from this Office before incurring any duplication costs.

If any of the above requested documents are available online, please provide us with the URL web address at which the documents may be downloaded. If any of the requested documents are retained by the City in electronic computer-readable format such as PDF (portable document format), please provide us with pdf copies of the

documents via email, or inform us of the location at which we can copy these documents electronically.

In preparing your response, please bear in mind that you have an obligation under Government Code section 6253.1 to (1) identify all records and information responsive to our request or the purpose of our request; (2) describe the information technology and physical location in which the records exist; and (3) provide suggestions for overcoming any practical basis for denying access to the records or information sought.

In responding to this request, please bear in mind that any exemptions from disclosure you may believe to be applicable are to be narrowly construed. *Marken v. Santa Monica-Malibu Unif. Sch. Dist.* (2012) 202 Cal. App. 4th 1250,1262; and may be further narrowed or eliminated by the adoption of Proposition 59, which amended article I, section 3(b)(2) of the California Constitution to direct that any "statute ... or other authority ... [that] limits the right of access" to "information concerning the conduct of the people's business" must be "narrowly construed."

As for any records that you nonetheless decline to produce on the grounds of an exemption, please bear in mind that the case law under the Public Records Act imposes a duty on you to distinguish between the exempt and the non-exempt portion of any such records, and to attempt in good faith to redact the exempt portion and to disclose the balance of such documents.

Please bear in mind further that should you choose to withhold any document from disclosure, you have a duty under Government Code section 6255, subd. (a) to "justify withholding any record by demonstrating that the record in question is exempt under express provisions" of the Public Records Act or that "the public interest served by not disclosing the record clearly outweighs the public interest served by disclosure of the record."

Finally, please note that you must retain and not destroy any and all records, notwithstanding any local record retention or document destruction policies. As the Court noted in *Golden Door Properties, LLC v. Superior Court of San Diego County* (2020) 53 Cal.App.5th 733 that a public agency "must retain '[a]ll written evidence or correspondence submitted to, or transferred from' . . . with respect to" CEQA compliance or "with respect to the project."

II. NOTICE LIST REQUEST.

We also ask that you put this Office on its notice list for any and all notices issued under the CEQA and the Planning and Zoning Law.

In particular, we request that City send by mail or electronic mail notice of any and all actions or hearings related to activities undertaken, authorized, approved, permitted, licensed, or certified by the City and any of its subdivision for the Project, or supported, in whole or in part, through permits, contracts, grants, subsidies, loans, or other forms of approvals, actions or assistance, including but not limited to the following:

- Notices of any public hearing held in connection with the Project; as well as
- Any and all notices prepared pursuant to CEQA, including but not limited to:
- Notices of determination that an Environmental Impact Report ("EIR") or supplemental EIR is required for a project, prepared pursuant to Public Resources Code Section 21080.4;
- Notices of availability of an EIR or a negative declaration for a project prepared pursuant to Public Resources Code Section 21152 and Section 15087 of Title 14 of the California Code of Regulations;
- Notices of approval or determination to carry out a project, prepared pursuant to Public Resources Code Section 21152 or any other provision of law;
- Notice of approval or certification of any EIR or negative declaration prepared pursuant to Public Resources Code Section 21152 or any other provision of law;
- Notice of exemption from CEQA prepared pursuant to Public Resources Code section 21152 or any other provision of law; and
- Notice of any Final EIR prepared pursuant to CEQA.

This Office is requesting notices of any approvals or public hearings under CEQA and the California Planning and Zoning Law. This request is filed pursuant to California

Public Resources Code Sections 21092.2, and 21167(f) and Government Code Section 65092 requiring agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

Please send notice by regular and electronic mail to:

Mitchell M. Tsai, Attorney At Law
139 South Hudson Avenue
Suite 200
Pasadena, California 91101
Em: mitch@mitchtsailaw.com
Em: talia@mitchtsailaw.com
Em: barrie@mitchtsailaw.com
Em: rebekah@mitchtsailaw.com
Em: maria@mitchtsailaw.com
Em: hind@mitchtsailaw.com
Em: steven@mitchtsailaw.com
Em: malou@mitchtsailaw.com
Em: info@mitchtsailaw.com

We look forward to working with you. If you have any questions or concerns, please do not hesitate to contact our Office.

Sincerely,

Mitchell M. Tsai
Attorneys for Southwest Regional Council
of Carpenters

LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources

Robert C. Ferrante
Chief Engineer and General Manager

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
(562) 699-7411 • www.lacsd.org

September 6, 2022

Ref. DOC 6661535

Mr. Okina Dor, Community Development Director
City of Artesia
Planning Department
18747 Clarkdale Avenue
Artesia, CA 90701

Dear Mr. Dor:

NOP Response to Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

The Los Angeles County Sanitation Districts (Districts) received a Notice of Preparation (NOP) of a Draft Environmental Impact Report for the subject project on August 15, 2022. The proposed project is located within the jurisdictional boundaries of District No. 2. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Joint Outfall "C" Unit 8E Trunk Sewer, located in Pioneer Boulevard at Ashworth Street. The Districts' 18-inch diameter trunk sewer has a capacity of 4.5 million gallons per day (mgd) and conveyed a peak flow of 0.5 mgd when last measured in 2020.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently processes an average flow of 243.1 mgd, or the Long Beach Water Reclamation Plant, which has a capacity of 25 mgd and currently processes an average recycled flow of 12.7 mgd.

3. The expected average wastewater flow from the project site, described in the NOP as 80 residential condominium units and 8,650 square feet of commercial uses, is 18,411 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, under Services, then Wastewater Program and Permits, select Will Serve Program, and scroll down to click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee to connect facilities (directly or indirectly) to the Districts' Sewerage System or to increase the strength or quantity of wastewater discharged from connected facilities. This connection fee is used by the Districts for its capital facilities. Payment of a connection fee may be required before this project is permitted to discharge to the Districts' Sewerage System. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, under Services, then Wastewater (Sewage) and select Rates & Fees. In determining the impact to the Sewerage System and applicable connection fees, the Districts will determine the user category (e.g. Condominium, Single Family Home, etc.) that best represents the actual or anticipated use of the parcel(s) or facilities on the parcel(s) in the development. For more specific information regarding the connection fee application procedure and fees, the developer should contact the Districts' Wastewater Fee Public Counter at (562) 908 4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CAA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise the developer that the Districts intend to provide this service up to the levels that are legally permitted and to inform the developer of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2743, or mandyhuffman@lacsd.org.

Very truly yours,

Mandy Huffman

Mandy Huffman
Environmental Planner
Facilities Planning Department

MNH:mnh

cc: A. Schmidt
A. Howard

NATIVE AMERICAN HERITAGE COMMISSION

RECEIVED
SEP 15 REC'D
PLANNING DEPARTMENT

August 24, 2022

Okina Dor
City of Artesia
18747 Clarkdale Avenue
Artesia, CA 90701

Re: 2022080202, Artesia Place (Artesia Boulevard Corridor Specific Plan Amendment) Project, Los Angeles County

Dear Okina Dor:

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

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

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

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

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AB 52

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

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

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

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

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

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

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

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

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

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

SB 18

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

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

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

NAHC Recommendations for Cultural Resources Assessments

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

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
   a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
   b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
   a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
   b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
   c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

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

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

Appendix 4.1-1

Technical Air Quality and GHG Emissions Data

Artesia Place Project

CalEEMod Notes

Note A Land use square footage and other details are based on information provided by the Project applicant. Landscape area is conservatively assumed to be equal to the Project's total common residential and live/work open space.

Note B Construction phases and phase durations are based on information provided by the Project applicant.

Note C Construction equipment selections are based on construction phase information provided by the Project applicant, as well as Project details. For some equipment, CalEEMod default horsepower assumptions were replaced with more conservative default estimates from CalEEMod version 2020. CalEEMod version 2022, the latest version of CalEEMod at the time of the analysis, seems to underestimate default horsepower ratings for certain construction equipment (e.g., excavators).

Note D Haul trip lengths are conservatively increased to 40 miles (one way) to reflect a range of possible landfill or other receiving locations.

Note E The Project's trip generation is based on the determinations of the Transportation Analysis prepared by Gibson Transportation Consulting, Inc.

Note F The Project would not include new natural gas connections or appliances. Therefore, there is no assumed energy usage from natural gas appliances.

Note G This CalEEMod run assumes the use of Tier 4 Final Off-Road equipment, which would be a requirement of the Project's air quality mitigation.

Artesia Place November 2024 v3 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Artesia Place November 2024 v3
Construction Start Date	1/1/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	8.00
Location	33.87381253336443, -118.08456659002805
County	Los Angeles-South Coast
City	Artesia
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4886
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse High Rise	120	Dwelling Unit	2.45	239,312	33,190	—	355	—

General Office Building	2.57	1000sqft	0.06	2,568	0.00	—	—	—
Parking Lot	7,200	1000sqft	0.17	0.00	0.00	—	—	—
Other Asphalt Surfaces	38.8	1000sqft	0.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.5	19.2	12.7	22.6	0.03	0.47	1.48	1.93	0.43	0.35	0.76	—	4,639	4,639	0.19	0.13	5.91	4,689
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.5	19.1	19.3	29.1	0.05	0.78	3.54	4.33	0.72	1.54	2.26	—	5,732	5,732	0.25	0.37	0.17	5,833
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.53	5.32	9.48	14.7	0.02	0.37	1.03	1.40	0.34	0.28	0.62	—	3,164	3,164	0.13	0.10	1.74	3,199
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.01	0.97	1.73	2.68	< 0.005	0.07	0.19	0.25	0.06	0.05	0.11	—	524	524	0.02	0.02	0.29	530

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.90	1.60	12.2	20.4	0.03	0.47	1.25	1.73	0.43	0.30	0.73	—	4,257	4,257	0.18	0.12	5.57	4,303
2026	19.5	19.2	12.7	22.6	0.03	0.45	1.48	1.93	0.41	0.35	0.76	—	4,639	4,639	0.19	0.13	5.91	4,689
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.02	2.57	19.3	29.1	0.05	0.78	3.54	4.33	0.72	1.54	2.26	—	5,732	5,732	0.25	0.37	0.17	5,833
2026	19.5	19.1	12.7	21.6	0.03	0.45	1.48	1.93	0.41	0.35	0.76	—	4,566	4,566	0.19	0.13	0.15	4,610
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.43	1.20	9.48	14.7	0.02	0.37	1.03	1.40	0.34	0.28	0.62	—	3,164	3,164	0.13	0.10	1.74	3,199
2026	5.53	5.32	8.56	14.4	0.02	0.30	0.95	1.25	0.28	0.22	0.50	—	3,083	3,083	0.13	0.09	1.66	3,115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.26	0.22	1.73	2.68	< 0.005	0.07	0.19	0.25	0.06	0.05	0.11	—	524	524	0.02	0.02	0.29	530
2026	1.01	0.97	1.56	2.63	< 0.005	0.06	0.17	0.23	0.05	0.04	0.09	—	510	510	0.02	0.01	0.28	516

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.05	8.76	1.87	28.4	0.05	0.04	5.09	5.13	0.03	1.29	1.33	58.5	15,363	15,422	6.74	0.31	16.8	15,699
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.38	8.12	1.97	19.8	0.05	0.03	5.09	5.13	0.03	1.29	1.32	58.5	15,119	15,177	6.75	0.32	2.11	15,443

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.80	8.52	2.03	25.1	0.05	0.03	5.07	5.10	0.03	1.29	1.32	58.5	15,192	15,251	6.75	0.32	8.24	15,523
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.61	1.55	0.37	4.58	0.01	0.01	0.92	0.93	0.01	0.23	0.24	9.69	2,515	2,525	1.12	0.05	1.36	2,570

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.81	2.55	1.80	21.5	0.05	0.03	5.09	5.13	0.03	1.29	1.32	—	5,458	5,458	0.25	0.21	15.1	5,542
Area	6.25	6.21	0.07	6.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	18.7	18.7	< 0.005	< 0.005	—	18.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,833	9,833	0.61	0.07	—	9,871
Water	—	—	—	—	—	—	—	—	—	—	—	9.45	53.3	62.8	0.97	0.02	—	94.0
Waste	—	—	—	—	—	—	—	—	—	—	—	49.1	0.00	49.1	4.91	0.00	—	172
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Total	9.05	8.76	1.87	28.4	0.05	0.04	5.09	5.13	0.03	1.29	1.33	58.5	15,363	15,422	6.74	0.31	16.8	15,699
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.78	2.52	1.97	19.8	0.05	0.03	5.09	5.13	0.03	1.29	1.32	—	5,232	5,232	0.26	0.22	0.39	5,305
Area	5.60	5.60	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,833	9,833	0.61	0.07	—	9,871
Water	—	—	—	—	—	—	—	—	—	—	—	9.45	53.3	62.8	0.97	0.02	—	94.0
Waste	—	—	—	—	—	—	—	—	—	—	—	49.1	0.00	49.1	4.91	0.00	—	172
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Total	8.38	8.12	1.97	19.8	0.05	0.03	5.09	5.13	0.03	1.29	1.32	58.5	15,119	15,177	6.75	0.32	2.11	15,443

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.76	2.50	1.99	20.4	0.05	0.03	5.07	5.10	0.03	1.29	1.32	—	5,293	5,293	0.26	0.22	6.52	5,372
Area	6.04	6.02	0.04	4.75	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.8	12.8	< 0.005	< 0.005	—	12.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,833	9,833	0.61	0.07	—	9,871
Water	—	—	—	—	—	—	—	—	—	—	—	9.45	53.3	62.8	0.97	0.02	—	94.0
Waste	—	—	—	—	—	—	—	—	—	—	—	49.1	0.00	49.1	4.91	0.00	—	172
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Total	8.80	8.52	2.03	25.1	0.05	0.03	5.07	5.10	0.03	1.29	1.32	58.5	15,192	15,251	6.75	0.32	8.24	15,523
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.50	0.46	0.36	3.71	0.01	0.01	0.92	0.93	0.01	0.23	0.24	—	876	876	0.04	0.04	1.08	889
Area	1.10	1.10	0.01	0.87	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	2.12	2.12	< 0.005	< 0.005	—	2.12
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,628	1,628	0.10	0.01	—	1,634
Water	—	—	—	—	—	—	—	—	—	—	—	1.56	8.83	10.4	0.16	< 0.005	—	15.6
Waste	—	—	—	—	—	—	—	—	—	—	—	8.13	0.00	8.13	0.81	0.00	—	28.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Total	1.61	1.55	0.37	4.58	0.01	0.01	0.92	0.93	0.01	0.23	0.24	9.69	2,515	2,525	1.12	0.05	1.36	2,570

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

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

Off-Roa Equipment	0.33	0.28	2.33	5.17	0.01	0.10	—	0.10	0.09	—	0.09	—	850	850	0.03	0.01	—	853
Demoliti on	—	—	—	—	—	—	0.30	0.30	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.98	6.98	< 0.005	< 0.005	—	7.01
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.16	1.16	< 0.005	< 0.005	—	1.16
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	65.5	65.5	< 0.005	< 0.005	0.01	66.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.92	0.32	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	776	776	0.04	0.12	0.05	813

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.37	6.37	< 0.005	< 0.005	0.01	6.69
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.06	1.06	< 0.005	< 0.005	< 0.005	1.11

3.3. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	1.81	16.7	20.2	0.03	0.76	—	0.76	0.70	—	0.70	—	3,377	3,377	0.14	0.03	—	3,388
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.10	0.91	1.10	< 0.005	0.04	—	0.04	0.04	—	0.04	—	185	185	0.01	< 0.005	—	186
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.6	30.6	< 0.005	< 0.005	—	30.7
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.14	0.02	2.53	0.87	0.01	0.03	0.58	0.61	0.03	0.16	0.19	—	2,142	2,142	0.11	0.34	0.13	2,245
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	117	117	0.01	0.02	0.12	123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4

3.5. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.21	11.3	14.1	0.03	0.47	—	0.47	0.43	—	0.43	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.21	11.3	14.1	0.03	0.47	—	0.47	0.43	—	0.43	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	7.40	9.25	0.02	0.30	—	0.30	0.28	—	0.28	—	1,719	1,719	0.07	0.01	—	1,725
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.35	1.69	< 0.005	0.06	—	0.06	0.05	—	0.05	—	285	285	0.01	< 0.005	—	286
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.38	6.07	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,206	1,206	0.05	0.04	4.42	1,224
Vendor	0.03	0.01	0.48	0.23	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	420	420	0.02	0.06	1.15	439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.37	0.42	5.15	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,143	1,143	0.05	0.04	0.11	1,157
Vendor	0.03	0.01	0.50	0.24	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	421	421	0.02	0.06	0.03	439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.30	3.53	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	758	758	0.03	0.03	1.25	768
Vendor	0.02	0.01	0.33	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	275	275	0.01	0.04	0.33	287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.64	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	126	126	0.01	< 0.005	0.21	127
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.05	47.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	10.7	14.1	0.03	0.41	—	0.41	0.38	—	0.38	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	10.7	14.1	0.03	0.41	—	0.41	0.38	—	0.38	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.62	10.0	0.02	0.29	—	0.29	0.27	—	0.27	—	1,878	1,878	0.08	0.02	—	1,885
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.39	1.83	< 0.005	0.05	—	0.05	0.05	—	0.05	—	311	311	0.01	< 0.005	—	312
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.32	0.34	5.63	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,182	1,182	0.05	0.04	4.00	1,199
Vendor	0.03	0.01	0.46	0.22	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	413	413	0.02	0.06	1.12	432
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.32	0.38	4.81	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,120	1,120	0.05	0.04	0.10	1,134
Vendor	0.03	0.01	0.48	0.23	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	413	413	0.02	0.06	0.03	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.23	0.30	3.59	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	812	812	0.04	0.03	1.24	823
Vendor	0.02	0.01	0.34	0.16	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	295	295	0.01	0.04	0.34	308
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.66	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	134	134	0.01	< 0.005	0.20	136
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	48.9	48.9	< 0.005	0.01	0.06	51.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.70	8.56	0.01	0.30	—	0.30	0.27	—	0.27	—	1,308	1,308	0.05	0.01	—	1,313
Paving	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.47	< 0.005	0.02	—	0.02	0.01	—	0.01	—	71.7	71.7	< 0.005	< 0.005	—	71.9
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.02	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.14	1.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.19	0.16	1.14	1.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.28	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.9	42.9	< 0.005	< 0.005	—	43.1
Architectural Coatings	4.20	4.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.11	7.11	< 0.005	< 0.005	—	7.13
Architectural Coatings	0.77	0.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	1.13	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	236	236	0.01	0.01	0.80	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	224	224	0.01	0.01	0.02	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.8	54.8	< 0.005	< 0.005	0.08	55.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.08	9.08	< 0.005	< 0.005	0.01	9.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

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

Condo/Townhouse High Rise	2.68	2.44	1.73	20.6	0.05	0.03	4.88	4.91	0.03	1.24	1.27	—	5,224	5,224	0.24	0.20	14.5	5,305
General Office Building	0.12	0.11	0.08	0.92	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	234	234	0.01	0.01	0.65	237
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.81	2.55	1.80	21.5	0.05	0.03	5.09	5.13	0.03	1.29	1.32	—	5,458	5,458	0.25	0.21	15.1	5,542
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	2.66	2.41	1.89	19.0	0.05	0.03	4.88	4.91	0.03	1.24	1.27	—	5,008	5,008	0.25	0.21	0.37	5,078
General Office Building	0.12	0.11	0.08	0.85	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	224	224	0.01	0.01	0.02	227
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.78	2.52	1.97	19.8	0.05	0.03	5.09	5.13	0.03	1.29	1.32	—	5,232	5,232	0.26	0.22	0.39	5,305
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	0.48	0.44	0.35	3.56	0.01	0.01	0.89	0.89	0.01	0.22	0.23	—	839	839	0.04	0.04	1.03	851

General Office Building	0.02	0.02	0.02	0.16	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	37.5	37.5	< 0.005	< 0.005	0.05	38.1
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.50	0.46	0.36	3.71	0.01	0.01	0.92	0.93	0.01	0.23	0.24	—	876	876	0.04	0.04	1.08	889

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	9,757	9,757	0.61	0.07	—	9,794
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	67.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	9.45	9.45	< 0.005	< 0.005	—	9.49
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,833	9,833	0.61	0.07	—	9,871

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	9,757	9,757	0.61	0.07	—	9,794
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	< 0.005	< 0.005	—	67.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	9.45	9.45	< 0.005	< 0.005	—	9.49
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,833	9,833	0.61	0.07	—	9,871
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,615	1,615	0.10	0.01	—	1,622
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.57	1.57	< 0.005	< 0.005	—	1.57
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,628	1,628	0.10	0.01	—	1,634

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/T High Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.18	5.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.65	0.61	0.07	6.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Total	6.25	6.21	0.07	6.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	18.7	18.7	< 0.005	< 0.005	—	18.7

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.18	5.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.60	5.60	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	0.95	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08	0.08	0.01	0.87	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.12
Total	1.10	1.10	0.01	0.87	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	2.12	2.12	< 0.005	< 0.005	—	2.12

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	8.57	48.8	57.3	0.88	0.02	—	85.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.87	4.53	5.40	0.09	< 0.005	—	8.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.45	53.3	62.8	0.97	0.02	—	94.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	8.57	48.8	57.3	0.88	0.02	—	85.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.87	4.53	5.40	0.09	< 0.005	—	8.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.45	53.3	62.8	0.97	0.02	—	94.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.42	8.08	9.49	0.15	< 0.005	—	14.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.14	0.75	0.89	0.01	< 0.005	—	1.37
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.56	8.83	10.4	0.16	< 0.005	—	15.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	47.8	0.00	47.8	4.78	0.00	—	167
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.29	0.00	1.29	0.13	0.00	—	4.50
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	49.1	0.00	49.1	4.91	0.00	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	47.8	0.00	47.8	4.78	0.00	—	167
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.29	0.00	1.29	0.13	0.00	—	4.50
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	49.1	0.00	49.1	4.91	0.00	—	172
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.79	0.00	—	27.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.21	0.00	0.21	0.02	0.00	—	0.75
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.13	0.00	8.13	0.81	0.00	—	28.4

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.71	1.71
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2025	1/3/2025	5.00	3.00	—
Grading	Grading	1/6/2025	1/31/2025	5.00	20.0	—
Building Construction	Building Construction	2/1/2025	12/31/2026	5.00	499	—
Paving	Paving	2/1/2025	2/28/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	9/1/2026	12/31/2026	5.00	88.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37

Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	5.67	40.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	15.7	40.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	87.2	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	13.2	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	484,607	161,536	3,852	1,284	2,770

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	66.0	—
Grading	—	2,500	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.06

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse High Rise	—	0%
General Office Building	0.00	0%
Parking Lot	0.17	100%
Other Asphalt Surfaces	0.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse High Rise	809	809	809	295,212	6,874	6,874	6,874	2,509,170
General Office Building	37.0	37.0	37.0	13,488	307	307	307	112,175
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse High Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
484606.8	161,536	3,852	1,284	2,770

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse High Rise	6,694,557	532	0.0330	0.0040	0.00
General Office Building	45,762	532	0.0330	0.0040	0.00
Parking Lot	6,487	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse High Rise	4,472,856	568,915
General Office Building	456,420	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse High Rise	88.7	—
General Office Building	2.39	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse High Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse High Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.52	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	37.6
AQ-PM	73.8
AQ-DPM	88.6
Drinking Water	64.1
Lead Risk Housing	79.6
Pesticides	0.00
Toxic Releases	90.4
Traffic	98.4
Effect Indicators	—

CleanUp Sites	0.00
Groundwater	81.3
Haz Waste Facilities/Generators	70.1
Impaired Water Bodies	0.00
Solid Waste	9.67
Sensitive Population	—
Asthma	23.3
Cardio-vascular	49.5
Low Birth Weights	63.0
Socioeconomic Factor Indicators	—
Education	85.6
Housing	55.1
Linguistic	72.8
Poverty	79.8
Unemployment	25.2

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	20.87771077
Employed	89.43924034
Median HI	46.86256897
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	54.67727448
Transportation	—

Auto Access	68.11240857
Active commuting	68.22789683
Social	—
2-parent households	31.01501347
Voting	20.87771077
Neighborhood	—
Alcohol availability	21.84011292
Park access	31.14333376
Retail density	87.52726806
Supermarket access	83.35685872
Tree canopy	31.37431028
Housing	—
Homeownership	69.39561145
Housing habitability	19.04273066
Low-inc homeowner severe housing cost burden	44.47581163
Low-inc renter severe housing cost burden	1.154882587
Uncrowded housing	11.4718337
Health Outcomes	—
Insured adults	7.712049275
Arthritis	0.0
Asthma ER Admissions	69.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	29.5

Cognitively Disabled	60.3
Physically Disabled	86.7
Heart Attack ER Admissions	41.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	82.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	35.2
Elderly	75.4
English Speaking	18.0
Foreign-born	91.4
Outdoor Workers	78.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	6.0
Traffic Density	96.1
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—

2016 Voting	24.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	39.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See Note A
Construction: Construction Phases	See Note B
Construction: Off-Road Equipment	See Note C
Construction: Trips and VMT	See Note D
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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Artesia Place July 2024 - Tier 4 Final
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	8.00
Location	33.87381253336443, -118.08456659002805
County	Los Angeles-South Coast
City	Artesia
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4886
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse High Rise	120	Dwelling Unit	2.45	239,312	33,190	—	355	—

General Office Building	2.57	1000sqft	0.06	2,568	0.00	—	—	—
Parking Lot	7,200	1000sqft	0.17	0.00	0.00	—	—	—
Other Asphalt Surfaces	38.8	1000sqft	0.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.2	18.1	3.87	23.9	0.03	0.06	1.48	1.54	0.05	0.35	0.41	—	4,639	4,639	0.19	0.13	5.91	4,689
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.2	18.1	4.92	30.5	0.05	0.09	3.54	3.63	0.09	1.54	1.63	—	5,732	5,732	0.25	0.37	0.17	5,833
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.69	4.64	2.40	15.7	0.02	0.04	1.03	1.07	0.04	0.28	0.32	—	3,164	3,164	0.13	0.10	1.74	3,199
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.86	0.85	0.44	2.87	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	524	524	0.02	0.02	0.29	530

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.70	0.64	3.00	22.0	0.03	0.05	1.25	1.31	0.05	0.30	0.35	—	4,257	4,257	0.18	0.12	5.57	4,303
2026	18.2	18.1	3.87	23.9	0.03	0.06	1.48	1.54	0.05	0.35	0.41	—	4,639	4,639	0.19	0.13	5.91	4,689
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.05	0.98	4.92	30.5	0.05	0.09	3.54	3.63	0.09	1.54	1.63	—	5,732	5,732	0.25	0.37	0.17	5,833
2026	18.2	18.1	3.94	23.0	0.03	0.06	1.48	1.54	0.05	0.35	0.41	—	4,566	4,566	0.19	0.13	0.15	4,610
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.50	0.46	2.38	15.7	0.02	0.04	1.03	1.07	0.04	0.28	0.32	—	3,164	3,164	0.13	0.10	1.74	3,199
2026	4.69	4.64	2.40	15.5	0.02	0.04	0.95	0.98	0.04	0.22	0.26	—	3,083	3,083	0.13	0.09	1.66	3,115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.09	0.08	0.43	2.87	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	524	524	0.02	0.02	0.29	530
2026	0.86	0.85	0.44	2.83	< 0.005	0.01	0.17	0.18	0.01	0.04	0.05	—	510	510	0.02	0.01	0.28	516

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

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

Off-Roa Equipment	0.08	0.08	0.42	5.95	0.01	0.02	—	0.02	0.02	—	0.02	—	850	850	0.03	0.01	—	853
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.98	6.98	< 0.005	< 0.005	—	7.01
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.16	1.16	< 0.005	< 0.005	—	1.16
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	65.5	65.5	< 0.005	< 0.005	0.01	66.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.92	0.32	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	776	776	0.04	0.12	0.05	813

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.37	6.37	< 0.005	< 0.005	0.01	6.69
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.06	1.06	< 0.005	< 0.005	< 0.005	1.11

3.3. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	1.65	20.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,377	3,377	0.14	0.03	—	3,388
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02	0.02	0.09	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	185	185	0.01	< 0.005	—	186
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.6	30.6	< 0.005	< 0.005	—	30.7
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.14	0.02	2.53	0.87	0.01	0.03	0.58	0.61	0.03	0.16	0.19	—	2,142	2,142	0.11	0.34	0.13	2,245
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	117	117	0.01	0.02	0.12	123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4

3.5. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	2.15	15.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	2.15	15.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.40	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,719	1,719	0.07	0.01	—	1,725
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	1.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	285	285	0.01	< 0.005	—	286
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.38	6.07	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,206	1,206	0.05	0.04	4.42	1,224
Vendor	0.03	0.01	0.48	0.23	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	420	420	0.02	0.06	1.15	439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.37	0.42	5.15	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,143	1,143	0.05	0.04	0.11	1,157
Vendor	0.03	0.01	0.50	0.24	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	421	421	0.02	0.06	0.03	439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.30	3.53	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	758	758	0.03	0.03	1.25	768
Vendor	0.02	0.01	0.33	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	275	275	0.01	0.04	0.33	287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.64	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	126	126	0.01	< 0.005	0.21	127
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.05	47.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	2.15	15.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	2.15	15.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	1.53	11.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,878	1,878	0.08	0.02	—	1,885
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.28	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	311	311	0.01	< 0.005	—	312
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.32	0.34	5.63	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,182	1,182	0.05	0.04	4.00	1,199
Vendor	0.03	0.01	0.46	0.22	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	413	413	0.02	0.06	1.12	432
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.32	0.38	4.81	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,120	1,120	0.05	0.04	0.10	1,134
Vendor	0.03	0.01	0.48	0.23	< 0.005	0.01	0.11	0.12	< 0.005	0.03	0.03	—	413	413	0.02	0.06	0.03	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.23	0.30	3.59	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	812	812	0.04	0.03	1.24	823
Vendor	0.02	0.01	0.34	0.16	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	295	295	0.01	0.04	0.34	308
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.66	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	134	134	0.01	< 0.005	0.20	136
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	48.9	48.9	< 0.005	0.01	0.06	51.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.78	8.38	0.01	0.02	—	0.02	0.02	—	0.02	—	1,308	1,308	0.05	0.01	—	1,313
Paving	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.7	71.7	< 0.005	< 0.005	—	71.9
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	11.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.02	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.21	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.9	42.9	< 0.005	< 0.005	—	43.1
Architectural Coatings	4.20	4.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.11	7.11	< 0.005	< 0.005	—	7.13
Architectural Coatings	0.77	0.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	1.13	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	236	236	0.01	0.01	0.80	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	224	224	0.01	0.01	0.02	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.8	54.8	< 0.005	< 0.005	0.08	55.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.08	9.08	< 0.005	< 0.005	0.01	9.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2025	1/3/2025	5.00	3.00	—
Grading	Grading	1/6/2025	1/31/2025	5.00	20.0	—
Building Construction	Building Construction	2/1/2025	12/31/2026	5.00	499	—
Paving	Paving	2/1/2025	2/28/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	9/1/2026	12/31/2026	5.00	88.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 4 Final	2.00	8.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	5.67	40.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	15.7	40.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	87.2	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	13.2	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	484,607	161,536	3,852	1,284	2,770

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	66.0	—
Grading	—	2,500	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.06

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse High Rise	—	0%
General Office Building	0.00	0%
Parking Lot	0.17	100%
Other Asphalt Surfaces	0.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

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

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	7.52	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	37.6
AQ-PM	73.8
AQ-DPM	88.6
Drinking Water	64.1
Lead Risk Housing	79.6
Pesticides	0.00
Toxic Releases	90.4
Traffic	98.4
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	81.3
Haz Waste Facilities/Generators	70.1
Impaired Water Bodies	0.00
Solid Waste	9.67
Sensitive Population	—
Asthma	23.3
Cardio-vascular	49.5
Low Birth Weights	63.0
Socioeconomic Factor Indicators	—
Education	85.6
Housing	55.1
Linguistic	72.8
Poverty	79.8
Unemployment	25.2

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	20.87771077
Employed	89.43924034
Median HI	46.86256897
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	54.67727448
Transportation	—
Auto Access	68.11240857
Active commuting	68.22789683
Social	—
2-parent households	31.01501347
Voting	20.87771077
Neighborhood	—
Alcohol availability	21.84011292
Park access	31.14333376
Retail density	87.52726806
Supermarket access	83.35685872
Tree canopy	31.37431028
Housing	—
Homeownership	69.39561145
Housing habitability	19.04273066
Low-inc homeowner severe housing cost burden	44.47581163
Low-inc renter severe housing cost burden	1.154882587

Uncrowded housing	11.4718337
Health Outcomes	—
Insured adults	7.712049275
Arthritis	0.0
Asthma ER Admissions	69.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	29.5
Cognitively Disabled	60.3
Physically Disabled	86.7
Heart Attack ER Admissions	41.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	82.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	35.2
Elderly	75.4
English Speaking	18.0
Foreign-born	91.4
Outdoor Workers	78.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	6.0
Traffic Density	96.1
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	24.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	39.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See Note A
Construction: Construction Phases	See Note B
Construction: Off-Road Equipment	See Note G
Construction: Trips and VMT	See Note D
Operations: Vehicle Data	See Note E
Operations: Hearths	See Note F
Operations: Energy Use	See Note F

Appendix 4.1-2

Health Risk Assessment

Appendix 4.1-2

Health Risk Assessment

Prepared by

Kimley»Horn

Expect More. Experience Better.

Health Risk Assessment
Artesia Place Project
(Artesia Boulevard Corridor Specific Plan Amendment)
City of Artesia, California

Kimley»Horn
Expect More. Experience Better.

Prepared by:

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November 2022

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APPENDIX
Appendix A: Modeling Data

LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ACES	Advanced Collaborative Emissions Study
ASF	age sensitivity factor
AB	Assembly Bill
APN	Assessor's Parcel Number
APS	auxiliary power system
AT	averaging time
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ATCM	Air Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CLSP	California Landings Specific Plan
CSMA	California Subdivision Map Act
CPF	cancer potency factor
C_{air}	air concentration from model
C_i	air concentration of substance
DBR	daily breathing rate
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	does through inhalation
EMFAC	Emissions Factor Model
ED	exposure duration
EF	exposure frequency
°F	Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HOA	homeowner's association
HQ	health quotient
HRA	health risk assessment
kg	kilograms
L	liter
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Resident
MICR	Maximum Individual Cancer Risk
mg	milligrams
$\mu g/m^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset

LIST OF ABBREVIATED TERMS (CONTINUED)

NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone
OEHHA	Office Environmental Health Hazard Assessment
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
REL_i	Reference Exposure Level of substance
$Risk_{inh\text{-}res}$	residential inhalation cancer risk
SB	Senate Bill
SCAB	South Coast Air Basin
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
EPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOC	volatile organic compound

1 Introduction

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) resulting from the implementation of the Artesia Place Project (Artesia Boulevard Corridor Specific Plan [ABCSP] Amendment) (Project). This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (AQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. In addition to this HRA, an Air Quality Assessment and a Greenhouse Gas Emissions Assessment for this Project have also been prepared. Technical data is included in Appendix A: Modeling Data.

1.1 Project Location

The Project site is in the City of Artesia (City), approximately 14 miles southeast of downtown Los Angeles; see **Figure 1: Regional Vicinity Map**. The Project site consists of one approximately 3.3 acre parcel (Assessor Parcel Number [APN] 7035-016-064) located at 11709 Artesia Boulevard; see **Figure 2: Local Vicinity Map**. The Project site is generally bound by roadways, with Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west.

The Project site is at the northeast portion of the 21-acre ABCSP area, which extends along Artesia Boulevard, generally between Corby Avenue on the east and Gridley Road on the west. As shown in **Figure 3: Project Site Boundary Within ABCSP**, the Project site is at the eastern extent of ABCSP's Quadrant 2, which is comprised of approximately 6.0 acres located north of Artesia Boulevard between Alburtis Avenue on the east and Roseton Avenue on the west. Two major freeways provide regional access to the Project site: Artesia Freeway (State Route 91 [SR-91]) to the north; and Interstate 605 (I-605) to the west. From SR-91, access to the Project site is provided via Pioneer Boulevard, which is east of the Project site. From I-605, access to the Project site is provided via Artesia Boulevard, which bisects the ABCSP area. Local access to the Project site is provided via Artesia Boulevard, which is a four-lane divided arterial roadway oriented east-west through the ABCSP area. Local access is also provided via Pioneer Boulevard, which is a four-lane arterial oriented north-south to the west of the Project site.

The City encompasses approximately 1.6 square miles in southeast Los Angeles County. The City is a suburban jurisdiction with a mix of residential densities, although low-density residential uses predominate. The City also contains a mix of retail commercial, office, and industrial uses.

The Project site is currently vacant. California Dairies, Inc., a dairy manufacturing plant totaling approximately 27,290 gross square feet (SF) occupied the Project site until it was demolished in 2022. All existing onsite utility connections remain capped and abandoned onsite. The Project site is generally surrounded by residential, business park, commercial, and light industrial land uses. To the east, adjacent to the Project site is a National Ready Mixed Concrete Company concrete batch plant. The batch plant is made up of several pieces of individual equipment, the tallest being the silos for Portland cement and fly ash. These silos can be as tall as 80 feet. These silos are used to reduce the impact to air quality. The sand, gravel, Portland cement and fly ash are then loaded on a conveyor and discharged into the mixer truck along with water. The trucks then transport the concrete mix to job sites.

1.2 Project Description

The Project proposes construction and operation of a mixed-use development comprised of 80 dwelling units (DU) and approximately 11,257 GSF of non-residential (commercial and office) land uses, as described below. To allow the proposed development, the Applicant proposes to amend the ABCSP. The proposed Zoning Code Text Amendment (Specific Plan Amendment) would amend the ABCSP to permit

residential uses on the Project site, establish a maximum allowable development within the Project site, and amend the ABCSP's Design Standards and Guidelines (among other chapters). In addition to the Zoning Code Text Amendment, the Project seeks approval of the following entitlements: a General Plan Amendment; Design Review; Development Agreement; Vesting Tentative Tract Map No. 83834; and CEQA EIR certification.

The Project would construct a mixed-use development generally comprised of two portions – a commercial portion and a residential portion – connected by pedestrian walkways. **Figure 4: Conceptual Site Plan**, depicts the proposed land plan. In total, the Project proposes 80 DU and approximately 11,257 GSF of non-residential (commercial and office) land uses, including the components summarized in **Table 1: Project Development Summary** below:

Table 1: Project Development Summary

Land Use	Residential (DU)	Non-Residential (GSF)			
		Office	Restaurant	Retail	Total
Townhomes	59				
Mixed-Use Carriage Townhomes (Commercial Ground Floor)	4		1,725	1,725	*3,450*
Shopkeeper Units (Commercial Condominiums with Townhomes above)	8		1,332	1,332	*2,664*
Commercial			1,350	1,350	*2,700*
Live/Work Townhomes	9	2,443			*2,443*
Total	***80***	***2,443***	***4,407***	***4,407***	***11,257***

DU = dwelling units; GSF = gross square feet

The following proposed land uses would be developed at a density of 23.2 dwelling units per acre (DU/AC) and floor area ratio (FAR) of 1.21:

- Townhomes: 10 buildings with 59 three-story townhome units.
- Mixed-Use Carriage Townhomes: One mixed-use building with approximately 3,450 GSF of commercial uses on the ground level and 4 carriage-type townhome units above;
- Shopkeeper Units: Two buildings with 8 commercial condominiums totaling approximately 2,664 GSF on the ground level and 8 townhome units above;
- Commercial: One building with approximately 2,700 GSF of commercial uses; and
- Live/Work Townhomes: Two buildings with approximately 2,443 GSF of office uses and 9 townhome units.

The Project is designed to be a mixed-use, pedestrian-oriented, and placemaking development with various commercial opportunities. The various buildings are linked by a central pedestrian walkway through a series of landscaped courtyards. The Project site is divided into two portions: the northern portion is bisected by the central pedestrian walkway, pool, and pool building and consists of traditional paseo rowtown-inspired residential clustering around a recreation area; and the southern portion fronting Artesia Boulevard consists of the urban commercial mixed-use buildings.

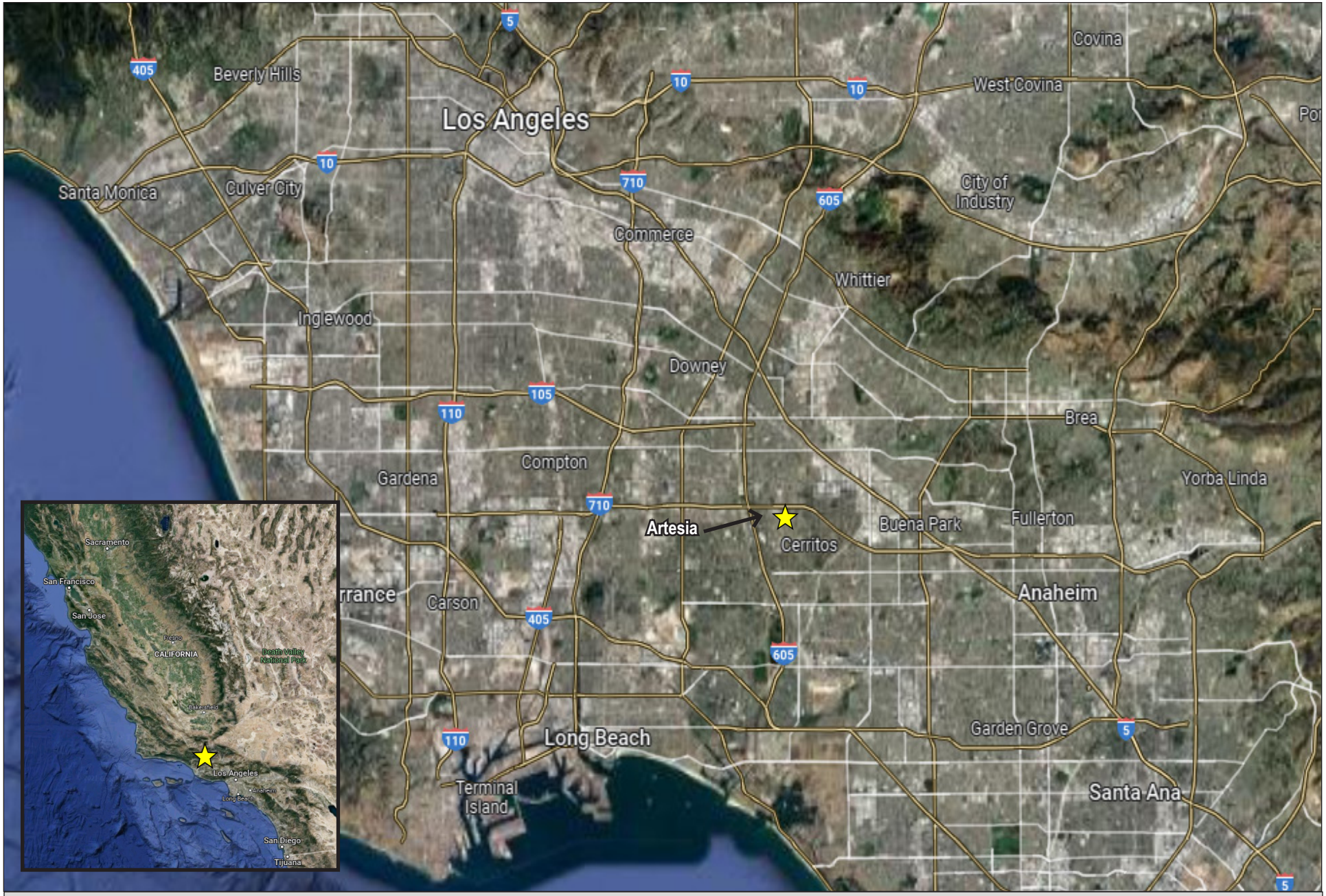

FIGURE 1: REGIONAL VICINITY MAP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

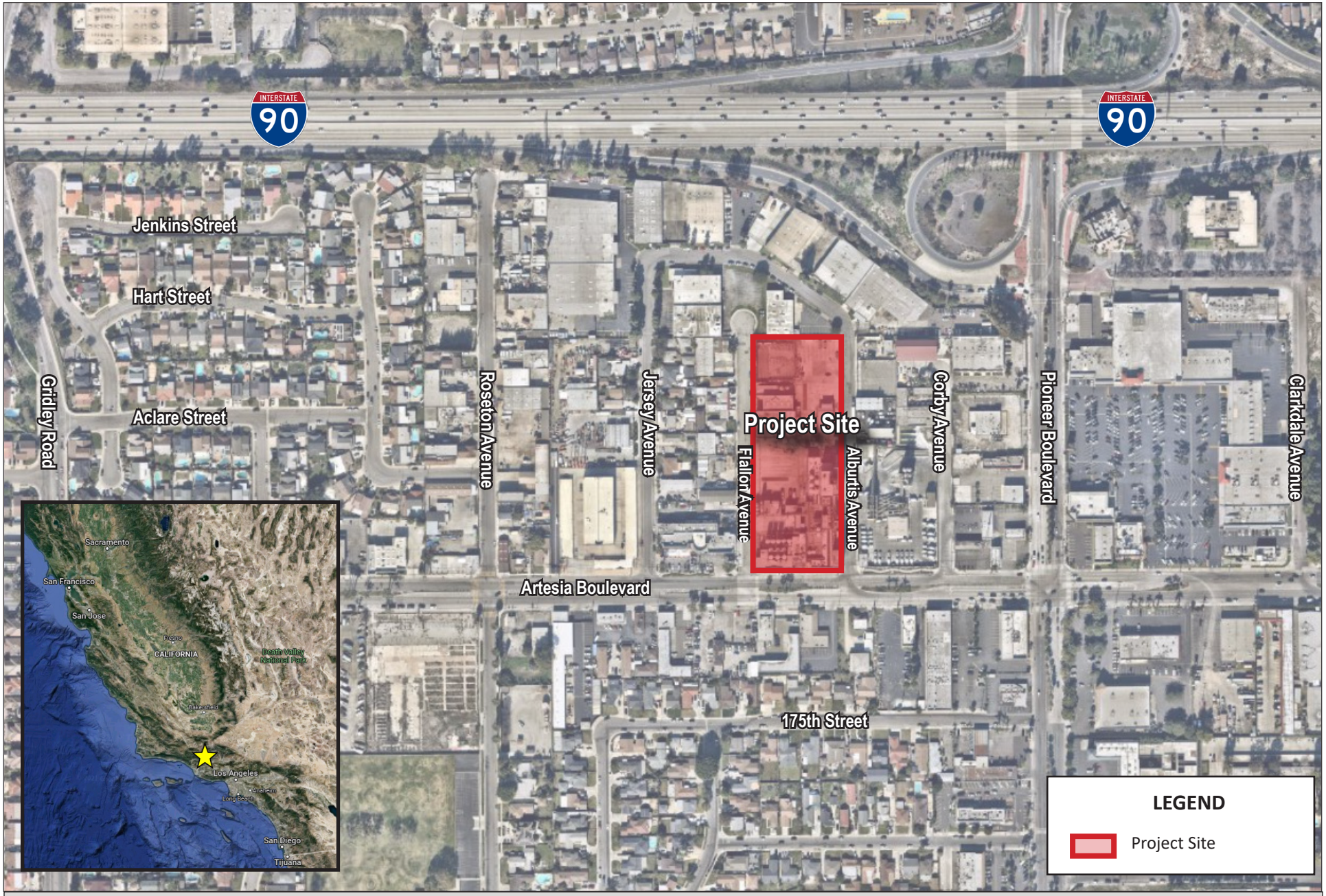

FIGURE 2: LOCAL VICINITY MAP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

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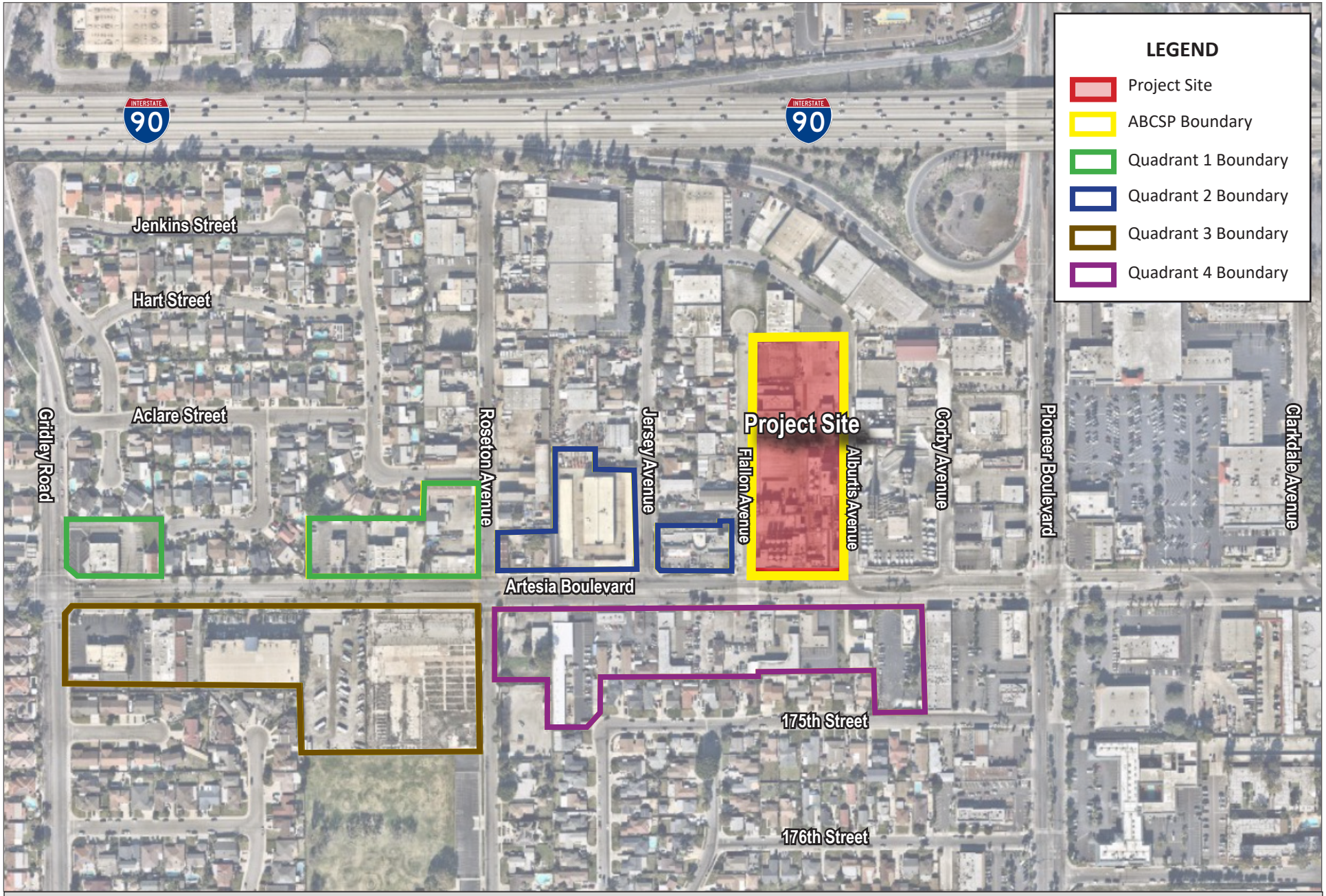

FIGURE 3: PROJECT SITE BOUNDARY WITHIN ABCSP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

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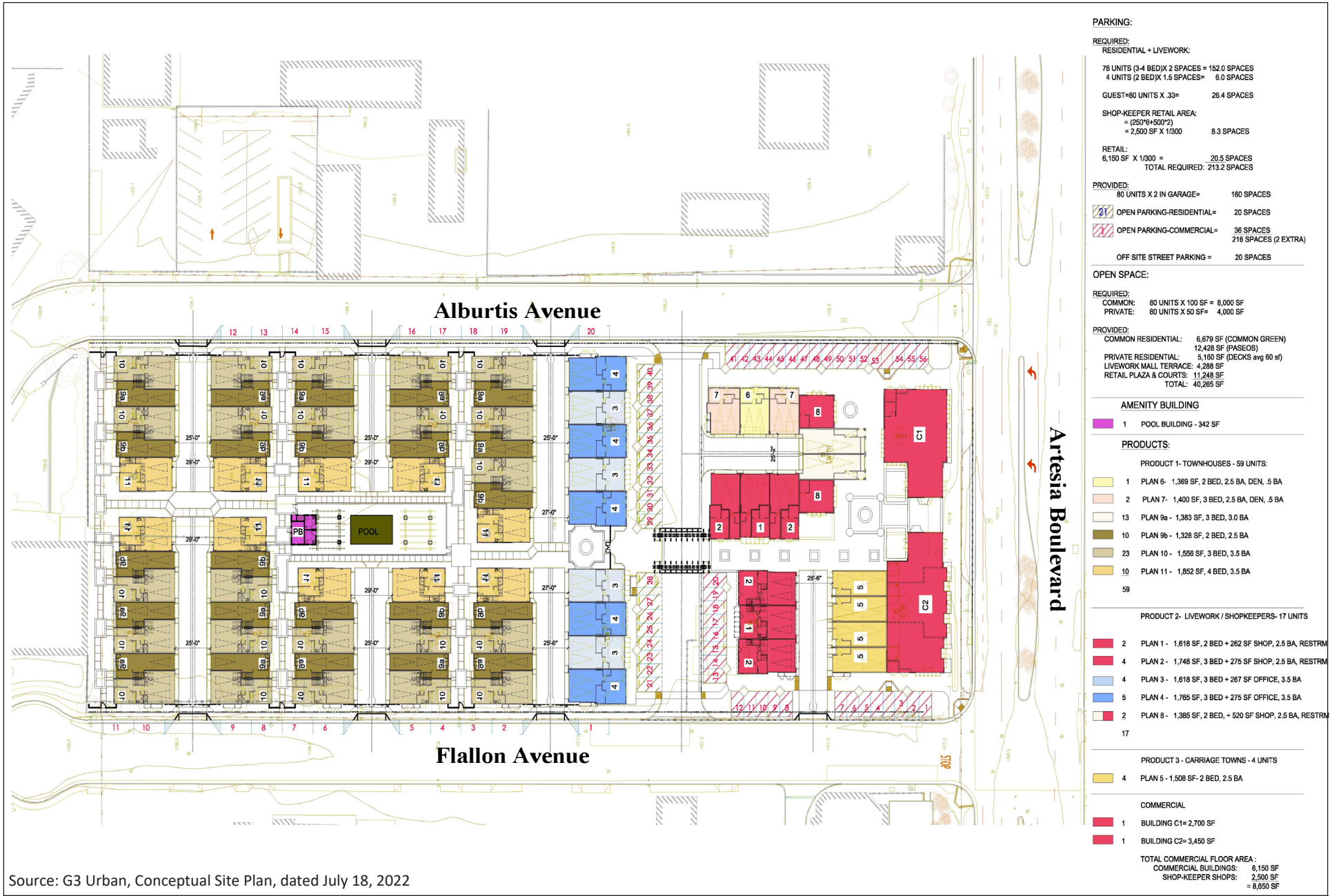

Source: G3 Urban, Conceptual Site Plan, dated July 18, 2022

FIGURE 4: CONCEPTUAL SITE PLAN

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

2 Environmental Setting

2.1 Climate

The general region lies in the eastern Pacific's semi-permanent high-pressure zone. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the South Coast Air Basin (SCAB) is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the SCAB. These factors along with applicable regulations are discussed below.

The average annual temperature varies little throughout the SCAB, averaging 75 degrees Fahrenheit (°F). However, with a less-pronounced oceanic influence, the SCAB's eastern inland portions show greater variability in annual minimum and maximum temperatures. All SCAB portions have had recorded temperatures over 100°F in recent years.

2.2 Meteorology

Although the SCAB has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature. Annual average relative humidity is 70 percent at the coast and 57 percent in the SCAB's eastern portion. Precipitation in the SCAB is typically 9 to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the SCAB's coastal areas.

A temperature inversion is defined as an increase in temperature with height, or to the layer within which such an increase occurs. The inversion's height is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above sea level, the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet, the terrain prevents the pollutants from entering the upper atmosphere, resulting in a settlement in the foothill communities. Below 1,200 feet, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire SCAB. Usually, inversions are lower before sunrise than during the day. Mixing heights for inversions are lower in the summer and more persistent, being partly responsible for the high levels of ozone (O_3) observed during summer months in the SCAB. Smog in southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods of time, allowing them to form secondary pollutants by reacting with sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds.

The area where the Project site is located offers clear skies and sunshine yet is still susceptible to air inversions. These inversions trap a layer of stagnant air near the ground, where it is then further loaded with pollutants. These inversions cause haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources.

2.3 Toxic Air Contaminants

Toxic Air Contaminants (TACs) are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The Air Toxic "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588) requirements apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to AB 2588 toxic emission inventory requirements must prepare and submit toxic emission inventory plans and reports, and periodically update those reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Sources of air toxics go beyond industry, however. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene.

In California, on-road diesel-fueled engines contribute approximately 24 percent of the Statewide total, with an additional 71 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute approximately 5.0 percent of total DPM. It is noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment can register their units in order to operate their equipment throughout California without having to obtain individual permits from local air districts.

As noted above, diesel exhaust and the many individual substances it contains (including arsenic, benzene, formaldehyde, and nickel) could contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that approximately 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of one

million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those OEHHA and CARB developed.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

In addition to DPM, the Project would also be exposed to the release fugitive dust that contain several TACs from the concrete batch plant located east of the Project site. These TACs include aluminum, arsenic, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, nickel, selenium, zinc, and crystalline silica.

2.4 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxins are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The Project site is in an area surrounded by industrial, commercial, and residential uses. Sensitive land uses nearest to the Project are listed in **Table 2: Sensitive Receptors**. As indicated in **Table 2**, the nearest sensitive receptors are live-work units adjacent/west of the Project site.

Table 2: Sensitive Receptors

Receptor Description	Distance and Direction from the Project
Live-Work Units	Adjacent to the west, 62 feet
Single-family Residences	300 feet to the south
Single-family Residences	760 feet to the north
Luther Burbank Elementary School	1,010 feet to the southwest

Notes:
1. Distances have been measured from the nearest Project site boundary to the property line of each receptor.

Source: Google Earth

3 Regulatory Setting

3.1 Federal

Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for NAAQS attainment and maintenance were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

FCAA Amendments Section 112 governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.[1] The PM emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007. Also, the NO_X and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010.

[1] United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

Emission Standards for Nonroad Diesel Engines

To reduce emissions from off-road diesel equipment, the U.S. EPA established a series of cleaner emission standards for new off-road diesel engines. Tier 1 standards were phased in from 1996 to 2000 (year of manufacture), depending on the engine horsepower category. Tier 2 standards were phased in from 2001 to 2006. Tier 3 standards were phased in from 2006 to 2008. Tier 4 Final standards, which generally require add-on emission control equipment to attain them, are being phased in from 2008 to 2015.

3.2 State of California

California Air Resources Board

CARB's Statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.

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

Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (DRRP) in October 2000. The DRRP's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline.[2] CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing Statewide cancer risk and non-cancer health effects.[3] The DRRP includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce particulate matter (PM) and oxides of nitrogen (NO_X) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses would need to have 2010 model year engines or equivalent.

The regulation applies to most privately- and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000

[2] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

[3] California Air Resources Board, *Overview: Diesel Exhaust & Health*, available at: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health, accessed July 2022.

pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

Heavy-Duty Vehicle Idling Emission Reduction Program

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

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, would require that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

California Code of Regulations Title 13 Sections 2485 and 2449 limit diesel-fueled motor vehicle idling to no more than five minutes. Section 2485 limits idling for diesel-fueled commercial motor vehicles with gross vehicle weight ratings of greater than 10,000 pounds that are or must be licensed to operate on publicly maintained highways and streets within California. Section 2449 limits idling for off-road diesel-fueled fleets.

CARB 2017 Technical Advisory (Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways)

CARB published a Technical Advisory in 2017 to provide planners and other stakeholders involved in land use planning and decision-making with information on scientifically based strategies to reduce exposure to traffic emissions near high-volume roadways. Near-roadway development is a result of a variety of factors, including economic growth, demand for built environment uses, and the scarcity of developable land in some areas. The Technical Advisory notes that research has demonstrated the public health, climate, financial, and other benefits of compact, infill development along transportation corridors, and demonstrates that planners, developers, and local governments can pursue infill development while simultaneously reducing exposure to traffic-related pollution. On-site strategies to remove air pollution identified in the Technical Advisory include the use of particle filtration systems (i.e., high efficiency filtration in mechanical ventilation systems), solid barriers, and vegetation.

California Energy Commission - Title 24 Building Energy Efficiency Standards

The Energy Efficiency Standards for Residential and Nonresidential Buildings, as specified in California Code of Regulations (CCR) Title 24 Part 6, were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. The 2019 Energy Standards include requirements for mandatory mechanical ventilation intended to improve indoor air quality in homes, and requirements for Minimum Efficiency Reporting Value (MERV) 13 air filtration on space conditioning systems, and ventilation systems that provide outside air to a dwelling's occupiable space. The Residential Compliance Manual for the 2019 Building Energy Efficiency Standards notes that air filter efficiencies of at least MERV 13 protect occupants from exposure to the smaller airborne particles

(i.e., $PM_{2.5}$) that are known to adversely affect respiratory health. CCR Title 24 Part 6 requires a particle size efficiency rating equal to or greater than 85 percent in the 1.0 to 0.3 µg range.

CalEnviroScreen

OEHHA has developed CalEnviroScreen 4.0, which is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. CalEnviroScreen uses environmental, health, and socioeconomic information to produce scores for every census tract in the State. The scores are mapped so that different communities can be compared. An area with a high score is one that experiences a much higher pollution burden than areas with low scores.

According to CalEnviroScreen, the Project site and the nearest live-work units to the west are located within Census Tract 6037554801, which is within the 72nd percentile.[4] It is noted that the CalEnviroScreen scores are relative to other census tracts and are not an expression of health risk, and do not provide quantitative information on increases in cumulative impacts for specific sites or projects. Further, as a comparative screening tool, the results do not provide a basis for determining when differences between scores are significant in relation to public health or the environment.

CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components (a manufacturer sales requirement and a reporting requirement), as follows:

- Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.

- Company and Fleet Reporting: Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

Executive Order N-79-20

Signed in September 2020, Executive Order N-79-20 establishes as a goal that where feasible, all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035. The executive order sets a similar goal requiring that all medium and heavy-duty vehicles will be zero-emission by 2045 where feasible. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where

[4] California Office of Environmental Health Hazard Assessment, *CalEnviroScreen 4.0 Results (October 2021 Update)*, https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40, accessed July 19, 2022.

feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new zero emission vehicles (ZEVs) "towards the target of 100 percent." The executive order directs the California Environmental Protection Agency, the California Geologic Energy Management Division (CalGEM), and the California Natural Resources Agency to transition and repurpose oil production facilities with a goal toward meeting carbon neutrality by 2045. Executive Order N-79-20 builds upon the CARB Advanced Clean Trucks regulation, which was adopted by CARB in July 2020.

3.3 Regional

South Coast Air Quality Management District

The CCAA provides the South Coast AQMD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect pollution sources are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions.

Air Toxics Control Plan

The Air Toxics Control Plan (March 2000, revised March 26, 2004) is a planning document intended to examine the overall direction of the South Coast AQMD's air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the South Coast AQMD's jurisdiction will each be brought to the South Coast AQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

Multiple Air Toxics Exposure Study

The South Coast AQMD conducted an in-depth analysis of toxic air contaminants and their resulting health risks for all of Southern California. The Multiple Air Toxics Exposure Study in the SCAB (MATES V) (August 2021) shows that carcinogenic risk from air toxics in the SCAB, based on the average concentrations at the 10 monitoring sites, is approximately 40 percent lower than the monitored average in MATES IV and 84 percent lower than the average in MATES II.

MATES V is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the SCAB emissions. Therefore, MATES V study represents the baseline health risk for a cumulative analysis. MATES V estimates the average excess cancer risk level from exposure to TACs is 424 in one million basin wide. In comparison, the MATES IV basin average risk was 897 per million. These model estimates were based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are near the Project site. However, MATES V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. MATES V modeling predicted an excess cancer risk of 492 in one million for the Project area.[5]

[5] South Coast Air Quality Management District, *MATES V Estimated Risk*, https://experience.arcgis.com/experience/79d3b6304912414bb21ebdde80100b23/page/Main-Page/?data_id=dataSource_105-a5ba9580e3aa43508a793fac819a5a4d%3A137&views=Click-tabs-for-other-data%2CCancer-Risk, accessed July 19, 2022.

4 Significance Criteria And Methodology

4.1 Health Risk Analysis Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the Lead Agency's purview pursuant to the State CEQA Guidelines, the South Coast AQMD recommends that lead agencies use the following air pollution thresholds in determining whether a project's impacts are significant. If the lead agency finds that the project has the potential to exceed the air pollution thresholds, a project's impacts should be considered significant. The air toxic emissions thresholds are as follows.

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

Cancer risk is expressed in terms of expected incremental incidence per million population. The South Coast AQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics.

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

4.2 Methodology

This HRA evaluates potential health risks associated with the emission of DPM resulting from Project implementation, and future on-site resident exposure to the Freeway and the adjacent concrete batch plant. Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known TAC. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Operational activities would also include the use of heavy-duty diesel trucks.

Construction Sources

Construction would generate DPM emissions from the use of off-road diesel equipment required for demolition, grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment were included in the analysis, although they are typically less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the Project site potentially poses a health risk to nearby sensitive receptors. The nearest sensitive receptors are the adjacent live-work units adjacent/west of Project site.

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the Project site. Construction activities would limit idling to no more than five minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense period of construction, DPM emissions would be generated from different locations on the Project site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emission rates for PM_{10} (DPM) were calculated from the CalEEMod construction emissions modeling conducted for the Project's Greenhouse Gas Emissions Assessment. The Project's construction activities are anticipated to occur over approxiamtely 24-months, starting as early as September 2023 and ending August 2025. However, this analysis has conservatively assumed construction would occur over two years, exposing receptors to more construction emissions.

Operational Sources

This HRA evaluates exposure of future onsite residents and workers to DPM and Total Organic Gases (TOG) emissions along the adjacent SR-91 freeway. Due to the traffic volumes on the freeway, the resulting emissions could result in pollutant concentrations at the project site. Emissions from vehicle traffic along SR-91 were calculated using information derived from traffic count, vehicle fleet profile, vehicle speed data collected by the California Department of Transportation (Caltrans) 2020 Annual Average Daily Traffic (AADT) census[6]. An emission rate for PM_{10} (DPM) and Total Organic Gases (TOG) were calculated using 2020 Caltrans traffic census data and a CARB 2021 EMission FACtor model (EMFAC)[7] model run for Los Angeles County; refer to Appendix A. To quantify the toxic air contaminants (TACs) associated with the TOG fraction, the CARB speciation profile provided was used. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed, temperature, and relative humidity. The model was run for vehicles traveling along SR-91. The emissions rate was calculated using 2025 emissions factors since Project construction would be completed in mid-2025.

The Project would be adjacent to an operating concrete batch plant, located east of the Project site. For the purposes of this analysis, 2.021 tons of particulate matter per year were assumed to be emitted by the concrete batch plant facility based on 2017 data from South Coast AQMD Facility Information Detail (F.I.N.D) website.[8] The concentration of TAC emitted by the concrete batch plant facility were calculated based on concrete batch plant speciation profile derived from a sampling of concrete batch plants. Typical concrete batch plant equipment includes conveyors, elevators, elevated storage bins and silos, weight hoppers, and mixers. Concrete batch plant TACs are emitted from the storage and handling of cement, aggregate, sand, and fly ash. The main fugitive dust sources consist of fugitive dust from the cement and fly ash delivery to storage silos, from the loading of the cement, aggregate, sand and fly ash to the weight hoppers prior to the mixing process to form concrete, and from wind-blown dust from the active sand and aggregate storage piles.

Cement and fly ash are a source of several metals that have been identified as TACs by CARB. Concrete production is also associated with the release of crystalline silica emissions. Potential emissions were

[6] Caltrans, *Traffic Census Program – Traffic Volumes,* https://dot.ca.gov/programs/traffic-operations/census, accessed July 19, 2022.

[7] California Air Resources Board, *EMFAC 2021 Web Database,* https://arb.ca.gov/emfac/, accessed July 19, 2022.

[8] South Coast Air Quality Management District, FIND, https://xappprod.aqmd.gov/find//facility/AQMDsearch?facilityID=128596, accessed July 19, 2022.

calculated using EPA AP-42 equations and emission factors[9]. It was assumed that the concrete batch plant equipment meets the appropriate best available control technologies (BACT) prescribed by the South Coast AQMD for such facilities, including the use of water sprays for aggregate handling and storage piles, enclosures, and venting of cement handling and storage to baghouse.

Dispersion Modeling

The HRA's construction and operational air dispersion modeling was performed using the U.S. EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data is provided by the South Coast AQMD. Surface and upper air meteorological data from the Fullerton Airport Monitoring Station was selected as being the most representative for meteorology based on proximity to the Project site.

The model's construction emission sources are line volume sources (comprised of smaller adjacent volume sources) for construction and trucks operations. Construction equipment operating onsite and on-road construction equipment (hauling materials to and from the site) were assigned a release height of 12 feet (3.7 meters).

The model's operational sources (i.e., vehicles) are line volume sources along SR-91. Mobile sources were modeled with two sets of volume sources. One set to characterize light-, medium-, and heavy-duty truck DPM (PM_{10}) emissions and another set for gasoline powered automobiles TOG emissions. Heavy duty vehicle emissions were assigned a release height of 10 feet (3.2 meters), a plume height of 18 feet (5.44 meters). A release height of 10 feet resembles the average stack height for trucks and the plume height is based on U.S. EPA guidance for vehicle volume sources. For automobile sources, a release height of two feet (0.7 meters) and a plume height of 3.9 feet (1.2 meters) was used.

The concrete batch plant was modeled as a 75-meter by 75-meter volume source located in the central portion of the National Ready Mixed Concrete Company property. The volume source emissions were assigned a release height of 49 feet (15 meters).

AERMOD was run to obtain the peak 1-hour and annual average (period) concentration in micrograms per cubic meter ($\mu g/m^3$) of PM_{10} at the nearby sensitive receptors. According to the South Coast AQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximally Exposed Individual Resident (MEIR), the maximum chronic HI, the zones of impact, and excess cancer burden, as well as peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a receptor grid was placed over the nearest sensitive receptors to cover the zone of impact. According to the South Coast AQMD, "to identify the maximum impacted receptors (i.e. peak cancer risk and peak hazard indices), a grid spacing of 100 meters or less must be used" (South Coast AQMD Supplemental Guidelines page 16). Due to the size of the Project site, receptors were modeled with a maximum of 20-meter grid spacing. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project site. The modeling and analysis were prepared in accordance with the South Coast AQMD Modeling Guidance for AERMOD.[10]

[9] U.S. Environmental Protection Agency, *AP-42 Section 11.12 Concrete Batching*, 2006.

[10] South Coast Air Quality Management District, *South Coast AQMD Modeling Guidance for AERMOD*, http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed July 19, 2022.

Note that the concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at the Project site any given point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and types of vehicles and equipment operating at specific distances during time periods of adverse meteorology. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual. Only the risk associated with the Project's worst-case location was assessed.

Risk and Hazard Assessment

Cancer Risk. Based on the OEHHA methodology, the residential inhalation excess cancer risk from annual average DPM and benzene concentrations is calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation along nearby roadways. Exposure through inhalation (dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

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

Dose-air =	dose through inhalation (mg/kg/day)
C_{air} =	air concentration ($\mu g/m^3$) from air dispersion model
(DBR/BW) =	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A =	inhalation absorption factor (unitless)
EF =	exposure frequency (approximately 350 days per year for residential)
10^{-6} =	conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. In the absence of chemical-specific data, OEHHA recommends default ASFs presented in **Table 3: Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates**. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the FAH values presented in **Table 3**.

Table 3: Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates

Age	Exposure Frequency (days/year)	Exposure Duration (years)	Age Sensitivity Factor[1] (ASF)	Fraction of Time at Home (FAH)	Daily Breathing Rate (L/kg BW-day[2])
Residential					
Third trimester	350	0.25	10	100%	361
0 to 2 years	350	2	10	100%	1,090
Ages 2 through 15 years	350	14	3	100%	572
Ages 16 and greater	350	14	1	73%	261
Worker[3]	250	25	1	N/A	230
Student[3]	180	9	3	N/A	640

[1] Accounts for potential increased sensitivity to carcinogens during childhood.
[2] Daily breathing rate normalized to body weight (L/kg body weight - day) (95th percentile for 3rd trimester to 2 years and 80th percentile for other age groups).
3 Worker and Student breathing rates are 95th percentile 8-hour breathing rates based on moderate intensity activity.

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015 and South Coast Air Quality Management District, Permit Application Package "N" Risk Assessment Procedures for Rules 1401, 1401.1, and 212 Version 8.1.

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

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

$Risk_{inh\text{-}res}$ = residential inhalation cancer risk (potential chances per million)
$Dose_{air}$ = daily dose through inhalation (mg/kg-day)
CPF = inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
ASF = age sensitivity factor for a specified age group (unitless)
ED = exposure duration (years)
AT = averaging time of lifetime cancer risk (years)
FAH = fraction of time spent at home (unitless)

Chronic Non-Cancer Hazard. The non-cancer chronic hazard is calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer chronic hazard:

$$\text{Hazard Quotient} = C_i/REL_i$$

C_i = concentration in the air of substance i (annual average concentration in $\mu g/m^3$)
REL_i = chronic noncancer Reference Exposure Level for substance ($\mu g/m^3$)

Health Risk Computation. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 30-year exposure scenario using the approach described in the OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments* (February 2015) and the daily breathing rates, age sensitivity factors, exposure duration, and fraction of time at home specified in the South Coast AQMD, Permit Application Package "N" Risk Assessment Procedures for Rules 1401, 1401.1, and 212 Version 8.1 (refer to **Table 3**). Health risk were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer health risk to an individual as well as the non-cancer chronic health index.

The off-site impacts would occur from the diesel trucks accessing the Project site. The cancer and chronic health risks are based on the annual average concentration of PM_{10} (used as a proxy for DPM). As noted above, the chronic and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual (2015).

5 Potential Health Risk Impacts

Cancer and non-cancer health risks are related to the exposure concentration of various toxic air contaminants that will be generated in the vicinity and will have an impact on residents living at the Project site. Exposure occurs primarily via inhalation and to a smaller extent via ingestion, dermal exposure, etc. The ambient concentration of various TACs at a given location depends on its emission rate, distance from the emission source, local wind speed and direction and local topography, land use, etc. An air dispersion model that incorporates these variables and parameters was used to calculate the concentration of TACs in the vicinity of the Project.

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest diesel emissions source. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. The gas phase is composed of many of the urban TACs, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size or composition. The sizes of diesel particulates of greatest health concern are fine and ultrafine particles. These particles may be composed of elemental carbon with adsorbed compounds such as organics, sulfates, nitrates, metals, and other trace elements. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines.

5.1 Carcinogenic Risk

Construction

Construction-related activities would result in Project-generated DPM emissions from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors.

Table 4: Construction Related Carcinogenic Risk Assessment shows the unmitigated and mitigated health risk for the Project's construction. Based on OEHHA *Risk Assessment Guidelines*, the exposure duration for a resident is 30 years, beginning with the third trimester. Operations would commence following construction, with the potential for phased occupation of buildings as they are completed. As such, construction could overlap with operations pending City approval, although all construction activities using heavy construction equipment (site preparation, grading, and paving) would occur prior to occupation. The analysis calculates risk based on the initial 24 months of exposure to construction concentrations. Emissions would result in a maximum cancer risk of 33.71 in one million, which would exceed the South Coast AQMD threshold of 10 in one million. The Project requires mitigation measure (**MM**) **HRA-1**, which requires the use of Tier 4 Final construction equipment. of the Project's mitigated emissions (with **MM HRA-1**) would result in a reduced maximum individual cancer risk of 2.25 in one million, which would be below the South Coast AQMD maximum individual cancer risk threshold of 10 in one million; refer to **Table 4**. Therefore, Project impacts associated with carcinogenic risk would be reduced to less than significant with **MM-HRA-1** incorporated.

Table 4: Construction Related Carcinogenic Risk Assessment			
Exposure Scenario	**Cancer Risk (Risk per Million)**	**Significance Threshold (Risk per Million)**	**Exceeds Significance Threshold?**
Sensitive Receptors – Unmitigated: Residences south of Project[1,2]	33.71	10	Yes
Sensitive Receptors – Mitigated: Residences south of Project [1,2,3]	2.25	10	No

[1] Refer to Appendix A.
[2] The reported annual pollutant concentration is at the closest maximally exposed individual resident (MEIR) to the Project site.
[3] The "Mitigated" exposure scenario shows the risk with the incorporation of MM HRA-1 (Tier 4 Final Construction Equipment).

Operation

The Project would contain 80 dwelling units (DU) and approximately 11,257 GSF of space for commercial uses that would potentially be exposed to health risks due to the proximity to Artesia Freeway (SR-91) and the concrete batch plant located east of the Project site. Pursuant to *California Building Industry Association v. Bay Area Air Quality Management District (2015) 62 Cal.4th 369, Case No. S213478*, agencies are not required to analyze the CEQA impact of existing environmental conditions on a project's future users or residents, unless a project's risks exacerbate those environmental hazards or conditions that already exist. Nevertheless, the following mobile and stationary source health risk analysis has been prepared as an information item for land use decision making but is not a CEQA required analysis condition.

The modeled pollutant concentrations represent outdoor exposure levels. OEHHA conservatively does not include indoor exposure adjustments for residents. However, the typical person spends the majority of time indoors rather than remaining outdoors in the same location for 24 hours a day.[11] Therefore, the AERMOD outdoor pollutant concentrations are not representative of actual exposure at the project site. As noted in Section 3 above, CCR Title 24 Part 6 requires new development to provide space conditioning and ventilation systems that use MERV 13 air filtration to provide outside air to the occupiable space of a dwelling. A MERV 13 filter has a particle removal efficiency in the range of 80-90 percent. A 75 percent removal efficiency was conservatively used for the purposes of this study. According to the U.S. EPA's *Exposure Factor Handbook* (2011), on average, people spend 90 percent of their time indoors. As residents are not always indoors, the filtration's overall effectiveness accounts for the time spent outdoors, which equates to approximately three hours per day. It is noted that this is a conservative assumption for this Project, as all of the time spent outdoors would not occur at the Project site.

Based on the AERMOD outputs, the highest expected annual average diesel PM_{10} emission concentrations from diesel truck traffic at the nearest Project residential receptor to SR-91would be 0.02 µg/m^3 during opening year. The Project's MERV 13 air filtration systems have an average particle size removal efficiency of approximately 75 percent for 0.3 to 1.0 µg/m^3 (DPM) and 90 percent for 1.0 to 10 µg/m^3 (PM_{10} and $PM_{2.5}$) based on ASHRAE Standard 52.2. The filters would be installed in residential units prior to occupancy, and maintenance with filters of the same value would be included in the Project's operation and maintenance manual. The Project's MERV 13 air filtration systems would reduce the highest expected annual average diesel PM_{10} emission concentrations conservatively by 75 percent to 0.005 µg/m^3 during opening year. The highest expected hourly TOG emission concentrations from automobile traffic along SR-91 at the Project site would be 1.34 µg/m^3 (no reduction was applied to TOG concentrations).

[11] California Air Resources Board Research Division and University of California, Berkeley, *Activity Patterns of California Residents,* May 1991. The study indicates that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and 6 hours in other indoor locations, for a total of 21 hours (87% of the day). Approximately two hours per day were spent in transit, and just over one hour per day was spent in outdoor locations.

AERMOD was also used to determine emission concentrations from the concrete batch plant facility. The residential receptor on the Project site with the highest concentration of PM_{10} from the concrete batch plant would be 0.0004 µg/m^3 per year.

Table 5: On-Site Carcinogenic Risk Assessment Results shows the calculated carcinogenic risk at the Project site from DPM and TOG due to freeway emissions is 7.57 in one million and the carcinogenic risk from the cement batch plant is 0.0009 in one million for proposed on-site residents.

Table 5: On-Site Carcinogenic Risk Assessment Results

Exposure Scenario	Maximum Cancer Risk (Risk per Million)[1,]	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
On-Site Resident Exposure From DPM and TOG Emissions Along SR-91[2]	7.57	10	No
On-Site Resident Exposure From Concrete Batch Plant[3]	0.001	10	No
Combined Operation Exposure	7.571	10	No

1. Refer to Appendix A: Modeling Data.
2. The maximum cancer for on-site residents from DPM and TOG would be experienced along the northern edge of the Project nearest to SR-91, based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.
3. The maximum cancer for on-site residents from the concrete batch plant would be experienced along the western edge of the Project nearest to the concrete batch plant facility, based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.

As shown in Error! Reference source not found., the highest calculated carcinogenic risk resulting from the Project is 7.571 per million, which is below South Coast AQMD's threshold of 10 in one million. Therefore, the carcinogenic risk to residents of the Project would be less than significant. It should be noted that Project operations would not generate TACs. Therefore, there would be no operational health risk to off-site receptors.

5.2 Non-Carcinogenic Hazard

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.[12]

Construction

Table 6: Chronic and Acute Construction Hazards shows the chronic and acute hazards from Project construction emissions. A chronic and acute hazard index of 1.0 is considered individually significant. The

[12] California Office of Environmental Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, available at https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary

highest unmitigated maximum chronic and acute hazard index from Project construction emissions would be 0.0197 and 0.877, respectively, which would be below the maximum hazard quotient of 1. Therefore, the Project's non-carcinogenic unmitigated hazards would be less than significant. Notwithstanding, the Project would require MM HRA-1 to mitigate carcinogenic risk during construction, as discussed above. Thus, the highest mitigated (with MM HRA-1) maximum chronic and acute hazard index from Project emissions would decrease to 0.0014 and 0.0584, respectively.

Table 6: Chronic and Acute Construction Hazards

Emissions Sources	Chronic Hazard	Acute Hazard
Sensitive Receptors – Unmitigated: Residences west of Project[1]	0.0197	0.877
Sensitive Receptors – Mitigated: Residences west of Project [1,2]	0.0014	0.0584
South Coast AQMD Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**

[1] Refer to Appendix A.
[2] The exposure scenario shows the risk with MM HRA-1 (Tier 4 Final Construction Equipment).

Operations

Acute and chronic impacts to new on-site sensitive receptors related to the Project site's proximity to SR-91 and the concrete batch plant facility are shown in **Table 7: Chronic and Acute Operational Hazards**. An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. The highest maximum chronic and acute hazard index associated with emissions from the Project would be 0.004 and 0.0007, respectively. Therefore, operational related non-carcinogenic hazards are within acceptable limits and less than significant.

Table 7: Chronic and Acute Operational Hazards

Emissions Sources	Chronic Hazard[1]	Acute Hazard[1]
On-Site Resident Exposure From DPM and TOG Emissions Along SR-91[2]	0.00421	0.000727
On-Site Resident Exposure From Concrete Batch Plant[3]	0.000001	0.000000001
Combined Operation Exposure	*0.004211*	*0.000727001*
South Coast AQMD Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**

[1] Refer to Appendix A.
2. The maximum concentration for on-site residents from DPM and TOG would be experienced along the northern edge of the Project nearest to SR 91, based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.
3. The maximum concentration for on-site residents from the concrete batch plant would be experienced along the western edge of the Project nearest to the concrete batch plant facility, based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.

5.3 Conclusion

As concluded above, the Project's cancer risk from construction would be less than significant with **MM HRA-1** (Tier 4 Final Construction Equipment) incorporated. As also concluded above, the Project's unmitigated non-carcinogenic hazards from construction would be within acceptable limits.

It is noted that this analysis assesses the Project's incremental contribution to health risk impacts, consistent with the South Coast AQMD guidance and methodology. The South Coast AQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The South Coast AQMD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant.[13] Therefore, because the Project's health risk would not exceed the project-specific thresholds, the Project would not result in a cumulatively significant impact.

Mitigation Measures:

MM HRA-1 Prior to issuance of grading permits, the applicant shall prepare and submit documentation to the City of Artesia that demonstrate the following:

- All off-road diesel-powered construction equipment greater than 50 horsepower meets California Air Resources Board Tier 4 Final off-road emissions standards or incorporate CARB Level 3 Verified Diesel Emission Control Strategy (VDECS). Requirements for Tier 4 Final equipment shall be included in applicable bid documents and successful contractor(s) must demonstrate the ability to supply such equipment. A copy of each unit's Best Available Control Technology (BACT) documentation (certified tier specification or model year specification), and CARB or South Coast AQMD operating permit (if applicable) shall be provided to the City at the time of mobilization of each applicable unit of equipment.
- Construction equipment shall be properly maintained according to manufacturer specifications.
- All construction equipment and delivery vehicles shall be turned off when not in use, or limit on-site idling for no more than 5 minutes in any 1 hour.
- On-site electrical hook ups to a power grid shall be provided for electric construction tools including saws, drills, and compressors, where feasible, to reduce the need for diesel powered electric generators.

Level of Significance: Less than significant with MM HRA-1 incorporated.

[13] South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

6 References

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21. United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

Appendix A

Modeling Data

Construction (residential exposure) Unmitigated

	µg/m^3		
	1 hr	8 hr	Period
Project	2.19E+00	9.09E-01	9.85E-02

HARP 2 Risk Summary

				Cancer	Per 1 million	Chronic		Acute
INDEX	**POLID**		**CONC**	**INH_RISK**		**RESP**	**CONC**	**RESP**
1	9901	Diesel ExhPM	9.85E-02	3.37E-05	33.71	1.97E-02	2.19E+00	0.00E+00
2	107028	Acrolein	0.00E+00	0.00E+00		0.00E+00	2.19E+00	8.76E-01

Construction (Unmitigated)

PM_{10} Exhaust Onsite

Year	Tons/Year	g/s	Weighted Average On-Site Rate
2023	6.05E-02	0.014773	0.009314631
2024	8.54E-02	0.009716	
2025	4.21E-02	0.005770	
	1.46E-01		

PM_{10} Exhaust Off-Site

	Tons/Year	g/s	g/s per mile	Weighted Average Off-Site Rate
2023	1.70E-04	0.000042	1.3837E-06	1.72E-05
2024	1.49E-03	0.000169	2.45562E-05	
2025	8.70E-04	0.000119	1.72681E-05	
	2.53E-03			

	2023	2024	2025	Total
Const Duration (Days):	129	277	230	636

	Trips		Miles		Weighted
	Vendor	Hauling	Vendor	Hauling	Trip length
2023	0	242	6.9	30	30.00
2024	13	0	6.9	20	6.90
2025	11	0	6.9	20	6.90

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
Artesia Blvd	936.7	0.58	1.72E-05	1.00E-05
Fallon	185.9	0.12	1.72E-05	1.99E-06
Pioneer Blvd	340.8	0.21	1.72E-05	3.65E-06

On-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2023	Site Prep	2.72E-02
2023	Grading	3.33E-02
	Total	6.05E-02
2024	Grading	3.60E-04
2024	Building	8.03E-02
2024	Paving	4.78E-03
	Total	8.54E-02
2025	Building	4.04E-02
2025	Arch Coating	1.73E-03
	Total	4.21E-02

Off-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2023	Site Prep	1.30E-04
2023	Grading	4.00E-05
	Total	1.70E-04
2024	Grading	0.00E+00
2024	Building	1.47E-03
2024	Paving	2.00E-05
	Total	1.49E-03
2025	Building	8.30E-04
2025	Arch Coating	4.00E-05
	Total	8.70E-04

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** Lakes Environmental Software Inc.
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LOCATION L0000548 VOLUME 399676.427 3748747.544 17.80
LOCATION L0000549 VOLUME 399676.503 3748739.045 17.73
LOCATION L0000550 VOLUME 399676.578 3748730.545 17.66
LOCATION L0000551 VOLUME 399676.654 3748722.045 17.60
LOCATION L0000552 VOLUME 399676.729 3748713.546 17.56
LOCATION L0000553 VOLUME 399676.805 3748705.046 17.56
LOCATION L0000554 VOLUME 399676.881 3748696.546 17.55
LOCATION L0000555 VOLUME 399676.956 3748688.047 17.55
LOCATION L0000556 VOLUME 399677.032 3748679.547 17.57
LOCATION L0000557 VOLUME 399677.107 3748671.047 17.61
LOCATION L0000558 VOLUME 399677.183 3748662.548 17.64
LOCATION L0000559 VOLUME 399678.308 3748655.062 17.68
LOCATION L0000560 VOLUME 399686.800 3748654.692 17.88
LOCATION L0000561 VOLUME 399695.292 3748654.323 17.93
LOCATION L0000562 VOLUME 399703.784 3748653.954 17.88
LOCATION L0000563 VOLUME 399712.275 3748653.585 17.82
LOCATION L0000564 VOLUME 399720.767 3748653.216 17.78
LOCATION L0000565 VOLUME 399723.794 3748658.502 17.78
LOCATION L0000566 VOLUME 399723.714 3748667.001 17.77
LOCATION L0000567 VOLUME 399723.634 3748675.501 17.77
LOCATION L0000568 VOLUME 399723.554 3748684.001 17.77
LOCATION L0000569 VOLUME 399723.474 3748692.500 17.77
LOCATION L0000570 VOLUME 399723.395 3748701.000 17.78
LOCATION L0000571 VOLUME 399723.315 3748709.499 17.79
LOCATION L0000572 VOLUME 399723.235 3748717.999 17.80
LOCATION L0000573 VOLUME 399723.155 3748726.499 17.84
LOCATION L0000574 VOLUME 399723.075 3748734.998 17.87
LOCATION L0000575 VOLUME 399722.995 3748743.498 17.90
LOCATION L0000576 VOLUME 399722.916 3748751.998 17.93
LOCATION L0000577 VOLUME 399722.836 3748760.497 17.96
LOCATION L0000578 VOLUME 399722.756 3748768.997 17.99
LOCATION L0000579 VOLUME 399722.676 3748777.496 18.03
LOCATION L0000580 VOLUME 399722.596 3748785.996 18.03
LOCATION L0000581 VOLUME 399722.517 3748794.496 18.03
LOCATION L0000582 VOLUME 399716.446 3748797.502 18.08
LOCATION L0000583 VOLUME 399707.985 3748798.315 18.09
LOCATION L0000584 VOLUME 399699.524 3748799.129 18.11
LOCATION L0000585 VOLUME 399691.063 3748799.942 18.11
LOCATION L0000586 VOLUME 399687.475 3748795.499 18.05
LOCATION L0000587 VOLUME 399687.646 3748787.001 18.05
LOCATION L0000588 VOLUME 399687.816 3748778.503 18.05
LOCATION L0000589 VOLUME 399687.987 3748770.005 18.06
LOCATION L0000590 VOLUME 399688.158 3748761.506 18.07
LOCATION L0000591 VOLUME 399688.329 3748753.008 18.09
LOCATION L0000592 VOLUME 399688.500 3748744.510 18.05
LOCATION L0000593 VOLUME 399688.671 3748736.011 17.95
LOCATION L0000594 VOLUME 399688.841 3748727.513 17.85

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   LOCATION L0000595     VOLUME   399689.012 3748719.015 17.74
   LOCATION L0000596     VOLUME   399689.183 3748710.517 17.73
   LOCATION L0000597     VOLUME   399689.354 3748702.018 17.74
   LOCATION L0000598     VOLUME   399689.525 3748693.520 17.74
   LOCATION L0000599     VOLUME   399689.695 3748685.022 17.76
   LOCATION L0000600     VOLUME   399689.866 3748676.523 17.82
   LOCATION L0000601     VOLUME   399690.037 3748668.025 17.88
   LOCATION L0000602     VOLUME   399696.463 3748666.112 17.88
   LOCATION L0000603     VOLUME   399704.959 3748666.377 17.84
   LOCATION L0000604     VOLUME   399711.583 3748668.351 17.80
   LOCATION L0000605     VOLUME   399711.073 3748676.836 17.78
   LOCATION L0000606     VOLUME   399710.563 3748685.321 17.76
   LOCATION L0000607     VOLUME   399710.053 3748693.805 17.77
   LOCATION L0000608     VOLUME   399709.543 3748702.290 17.78
   LOCATION L0000609     VOLUME   399709.033 3748710.775 17.78
   LOCATION L0000610     VOLUME   399708.523 3748719.259 17.80
   LOCATION L0000611     VOLUME   399708.013 3748727.744 17.87
   LOCATION L0000612     VOLUME   399707.503 3748736.229 17.93
   LOCATION L0000613     VOLUME   399706.993 3748744.714 18.01
   LOCATION L0000614     VOLUME   399706.483 3748753.198 18.05
   LOCATION L0000615     VOLUME   399705.973 3748761.683 18.07
   LOCATION L0000616     VOLUME   399705.463 3748770.168 18.08
   LOCATION L0000617     VOLUME   399704.953 3748778.652 18.10
   LOCATION L0000618     VOLUME   399704.443 3748787.137 18.10
** End of LINE VOLUME Source ID = SLINE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Artesia Blvd
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00001
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 400190.329, 3748608.273, 18.00, 3.11, 3.95
** 399898.360, 3748607.081, 17.97, 3.11, 3.95
** 399253.646, 3748604.698, 18.64, 3.11, 3.95
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   LOCATION L0000619     VOLUME   400186.079 3748608.256 18.08
   LOCATION L0000620     VOLUME   400177.579 3748608.221 18.12
   LOCATION L0000621     VOLUME   400169.079 3748608.186 18.00
   LOCATION L0000622     VOLUME   400160.579 3748608.152 17.88
   LOCATION L0000623     VOLUME   400152.080 3748608.117 17.76
   LOCATION L0000624     VOLUME   400143.580 3748608.082 17.84
   LOCATION L0000625     VOLUME   400135.080 3748608.047 17.91
   LOCATION L0000626     VOLUME   400126.580 3748608.013 17.99
   LOCATION L0000627     VOLUME   400118.080 3748607.978 17.88
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LOCATION L0000628 VOLUME 400109.580 3748607.943 17.78
LOCATION L0000629 VOLUME 400101.080 3748607.909 17.68
LOCATION L0000630 VOLUME 400092.580 3748607.874 17.77
LOCATION L0000631 VOLUME 400084.080 3748607.839 17.86
LOCATION L0000632 VOLUME 400075.580 3748607.805 17.95
LOCATION L0000633 VOLUME 400067.080 3748607.770 17.93
LOCATION L0000634 VOLUME 400058.580 3748607.735 17.91
LOCATION L0000635 VOLUME 400050.080 3748607.701 17.88
LOCATION L0000636 VOLUME 400041.580 3748607.666 17.87
LOCATION L0000637 VOLUME 400033.080 3748607.631 17.86
LOCATION L0000638 VOLUME 400024.581 3748607.596 17.85
LOCATION L0000639 VOLUME 400016.081 3748607.562 17.86
LOCATION L0000640 VOLUME 400007.581 3748607.527 17.88
LOCATION L0000641 VOLUME 399999.081 3748607.492 17.89
LOCATION L0000642 VOLUME 399990.581 3748607.458 17.94
LOCATION L0000643 VOLUME 399982.081 3748607.423 17.99
LOCATION L0000644 VOLUME 399973.581 3748607.388 18.04
LOCATION L0000645 VOLUME 399965.081 3748607.354 18.03
LOCATION L0000646 VOLUME 399956.581 3748607.319 18.02
LOCATION L0000647 VOLUME 399948.081 3748607.284 18.01
LOCATION L0000648 VOLUME 399939.581 3748607.250 18.01
LOCATION L0000649 VOLUME 399931.081 3748607.215 18.01
LOCATION L0000650 VOLUME 399922.581 3748607.180 18.01
LOCATION L0000651 VOLUME 399914.081 3748607.145 17.99
LOCATION L0000652 VOLUME 399905.582 3748607.111 17.96
LOCATION L0000653 VOLUME 399897.082 3748607.077 17.94
LOCATION L0000654 VOLUME 399888.582 3748607.045 17.95
LOCATION L0000655 VOLUME 399880.082 3748607.014 17.96
LOCATION L0000656 VOLUME 399871.582 3748606.982 17.98
LOCATION L0000657 VOLUME 399863.082 3748606.951 17.95
LOCATION L0000658 VOLUME 399854.582 3748606.919 17.90
LOCATION L0000659 VOLUME 399846.082 3748606.888 17.85
LOCATION L0000660 VOLUME 399837.582 3748606.857 17.80
LOCATION L0000661 VOLUME 399829.082 3748606.825 17.74
LOCATION L0000662 VOLUME 399820.582 3748606.794 17.69
LOCATION L0000663 VOLUME 399812.082 3748606.762 17.68
LOCATION L0000664 VOLUME 399803.582 3748606.731 17.69
LOCATION L0000665 VOLUME 399795.082 3748606.699 17.69
LOCATION L0000666 VOLUME 399786.582 3748606.668 17.68
LOCATION L0000667 VOLUME 399778.082 3748606.637 17.67
LOCATION L0000668 VOLUME 399769.582 3748606.605 17.65
LOCATION L0000669 VOLUME 399761.083 3748606.574 17.60
LOCATION L0000670 VOLUME 399752.583 3748606.542 17.54
LOCATION L0000671 VOLUME 399744.083 3748606.511 17.47
LOCATION L0000672 VOLUME 399735.583 3748606.479 17.47
LOCATION L0000673 VOLUME 399727.083 3748606.448 17.50
LOCATION L0000674 VOLUME 399718.583 3748606.417 17.53
LOCATION L0000675 VOLUME 399710.083 3748606.385 17.52
LOCATION L0000676 VOLUME 399701.583 3748606.354 17.50

LOCATION L0000677 VOLUME 399693.083 3748606.322 17.48
LOCATION L0000678 VOLUME 399684.583 3748606.291 17.43
LOCATION L0000679 VOLUME 399676.083 3748606.260 17.36
LOCATION L0000680 VOLUME 399667.583 3748606.228 17.28
LOCATION L0000681 VOLUME 399659.083 3748606.197 17.30
LOCATION L0000682 VOLUME 399650.583 3748606.165 17.36
LOCATION L0000683 VOLUME 399642.083 3748606.134 17.42
LOCATION L0000684 VOLUME 399633.583 3748606.102 17.46
LOCATION L0000685 VOLUME 399625.083 3748606.071 17.50
LOCATION L0000686 VOLUME 399616.584 3748606.040 17.53
LOCATION L0000687 VOLUME 399608.084 3748606.008 17.57
LOCATION L0000688 VOLUME 399599.584 3748605.977 17.61
LOCATION L0000689 VOLUME 399591.084 3748605.945 17.64
LOCATION L0000690 VOLUME 399582.584 3748605.914 17.70
LOCATION L0000691 VOLUME 399574.084 3748605.882 17.78
LOCATION L0000692 VOLUME 399565.584 3748605.851 17.85
LOCATION L0000693 VOLUME 399557.084 3748605.820 17.89
LOCATION L0000694 VOLUME 399548.584 3748605.788 17.89
LOCATION L0000695 VOLUME 399540.084 3748605.757 17.90
LOCATION L0000696 VOLUME 399531.584 3748605.725 17.92
LOCATION L0000697 VOLUME 399523.084 3748605.694 17.95
LOCATION L0000698 VOLUME 399514.584 3748605.662 17.98
LOCATION L0000699 VOLUME 399506.084 3748605.631 18.00
LOCATION L0000700 VOLUME 399497.584 3748605.600 17.99
LOCATION L0000701 VOLUME 399489.084 3748605.568 17.99
LOCATION L0000702 VOLUME 399480.584 3748605.537 18.01
LOCATION L0000703 VOLUME 399472.085 3748605.505 18.05
LOCATION L0000704 VOLUME 399463.585 3748605.474 18.09
LOCATION L0000705 VOLUME 399455.085 3748605.443 18.13
LOCATION L0000706 VOLUME 399446.585 3748605.411 18.15
LOCATION L0000707 VOLUME 399438.085 3748605.380 18.17
LOCATION L0000708 VOLUME 399429.585 3748605.348 18.19
LOCATION L0000709 VOLUME 399421.085 3748605.317 18.22
LOCATION L0000710 VOLUME 399412.585 3748605.285 18.24
LOCATION L0000711 VOLUME 399404.085 3748605.254 18.27
LOCATION L0000712 VOLUME 399395.585 3748605.223 18.31
LOCATION L0000713 VOLUME 399387.085 3748605.191 18.35
LOCATION L0000714 VOLUME 399378.585 3748605.160 18.39
LOCATION L0000715 VOLUME 399370.085 3748605.128 18.41
LOCATION L0000716 VOLUME 399361.585 3748605.097 18.43
LOCATION L0000717 VOLUME 399353.085 3748605.065 18.45
LOCATION L0000718 VOLUME 399344.585 3748605.034 18.48
LOCATION L0000719 VOLUME 399336.085 3748605.003 18.51
LOCATION L0000720 VOLUME 399327.586 3748604.971 18.53
LOCATION L0000721 VOLUME 399319.086 3748604.940 18.54
LOCATION L0000722 VOLUME 399310.586 3748604.908 18.56
LOCATION L0000723 VOLUME 399302.086 3748604.877 18.57
LOCATION L0000724 VOLUME 399293.586 3748604.845 18.58
LOCATION L0000725 VOLUME 399285.086 3748604.814 18.58

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   LOCATION L0000726     VOLUME   399276.586 3748604.783 18.59
   LOCATION L0000727     VOLUME   399268.086 3748604.751 18.61
   LOCATION L0000728     VOLUME   399259.586 3748604.720 18.64
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Fallon Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399656.444, 3748806.097, 17.78, 3.11, 3.95
** 399656.444, 3748620.190, 17.30, 3.11, 3.95
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   LOCATION L0000729     VOLUME   399656.444 3748801.847 17.75
   LOCATION L0000730     VOLUME   399656.444 3748793.347 17.73
   LOCATION L0000731     VOLUME   399656.444 3748784.847 17.70
   LOCATION L0000732     VOLUME   399656.444 3748776.347 17.68
   LOCATION L0000733     VOLUME   399656.444 3748767.847 17.67
   LOCATION L0000734     VOLUME   399656.444 3748759.347 17.65
   LOCATION L0000735     VOLUME   399656.444 3748750.847 17.64
   LOCATION L0000736     VOLUME   399656.444 3748742.347 17.61
   LOCATION L0000737     VOLUME   399656.444 3748733.847 17.58
   LOCATION L0000738     VOLUME   399656.444 3748725.347 17.56
   LOCATION L0000739     VOLUME   399656.444 3748716.847 17.53
   LOCATION L0000740     VOLUME   399656.444 3748708.347 17.52
   LOCATION L0000741     VOLUME   399656.444 3748699.847 17.52
   LOCATION L0000742     VOLUME   399656.444 3748691.347 17.51
   LOCATION L0000743     VOLUME   399656.444 3748682.847 17.52
   LOCATION L0000744     VOLUME   399656.444 3748674.347 17.54
   LOCATION L0000745     VOLUME   399656.444 3748665.847 17.56
   LOCATION L0000746     VOLUME   399656.444 3748657.347 17.58
   LOCATION L0000747     VOLUME   399656.444 3748648.847 17.51
   LOCATION L0000748     VOLUME   399656.444 3748640.347 17.43
   LOCATION L0000749     VOLUME   399656.444 3748631.847 17.36
   LOCATION L0000750     VOLUME   399656.444 3748623.347 17.30
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Pioneer Blvd Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 3.65E-06
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** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399906.702, 3748621.382, 18.01, 3.11, 3.95
** 399905.511, 3748962.211, 20.05, 3.11, 3.95
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   LOCATION L0000751     VOLUME   399906.688 3748625.632 18.02
   LOCATION L0000752     VOLUME   399906.658 3748634.132 18.03
   LOCATION L0000753     VOLUME   399906.628 3748642.632 18.04
   LOCATION L0000754     VOLUME   399906.598 3748651.132 18.05
   LOCATION L0000755     VOLUME   399906.569 3748659.632 18.09
   LOCATION L0000756     VOLUME   399906.539 3748668.131 18.15
   LOCATION L0000757     VOLUME   399906.509 3748676.631 18.21
   LOCATION L0000758     VOLUME   399906.480 3748685.131 18.26
   LOCATION L0000759     VOLUME   399906.450 3748693.631 18.27
   LOCATION L0000760     VOLUME   399906.420 3748702.131 18.28
   LOCATION L0000761     VOLUME   399906.390 3748710.631 18.29
   LOCATION L0000762     VOLUME   399906.361 3748719.131 18.32
   LOCATION L0000763     VOLUME   399906.331 3748727.631 18.37
   LOCATION L0000764     VOLUME   399906.301 3748736.131 18.42
   LOCATION L0000765     VOLUME   399906.272 3748744.631 18.47
   LOCATION L0000766     VOLUME   399906.242 3748753.131 18.56
   LOCATION L0000767     VOLUME   399906.212 3748761.631 18.65
   LOCATION L0000768     VOLUME   399906.182 3748770.131 18.74
   LOCATION L0000769     VOLUME   399906.153 3748778.631 18.82
   LOCATION L0000770     VOLUME   399906.123 3748787.131 18.83
   LOCATION L0000771     VOLUME   399906.093 3748795.631 18.86
   LOCATION L0000772     VOLUME   399906.063 3748804.131 18.88
   LOCATION L0000773     VOLUME   399906.034 3748812.631 18.90
   LOCATION L0000774     VOLUME   399906.004 3748821.131 18.92
   LOCATION L0000775     VOLUME   399905.974 3748829.630 18.95
   LOCATION L0000776     VOLUME   399905.945 3748838.130 18.97
   LOCATION L0000777     VOLUME   399905.915 3748846.630 19.02
   LOCATION L0000778     VOLUME   399905.885 3748855.130 19.07
   LOCATION L0000779     VOLUME   399905.855 3748863.630 19.11
   LOCATION L0000780     VOLUME   399905.826 3748872.130 19.15
   LOCATION L0000781     VOLUME   399905.796 3748880.630 19.16
   LOCATION L0000782     VOLUME   399905.766 3748889.130 19.18
   LOCATION L0000783     VOLUME   399905.737 3748897.630 19.19
   LOCATION L0000784     VOLUME   399905.707 3748906.130 19.21
   LOCATION L0000785     VOLUME   399905.677 3748914.630 19.23
   LOCATION L0000786     VOLUME   399905.647 3748923.130 19.24
   LOCATION L0000787     VOLUME   399905.618 3748931.630 19.28
   LOCATION L0000788     VOLUME   399905.588 3748940.130 19.70
   LOCATION L0000789     VOLUME   399905.558 3748948.630 20.10
   LOCATION L0000790     VOLUME   399905.529 3748957.130 20.48
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
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SRCPARAM L0000508     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000509     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000510     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000511     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000512     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000513     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000514     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000515     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000516     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000517     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000518     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000521     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000524     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000526     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000527     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000532     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000533     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000534     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000535     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000536     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000537     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000541     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000545     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000547     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000550     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000551     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000552     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000553     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000554     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000555     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000556     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000557     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000558     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000559     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000560     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000561     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000562     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000563     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000564     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000565     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000566     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000567     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000568     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000569     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000570     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000571     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000572     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000573     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000574     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000575     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000576     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000577     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000578     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000579     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000580     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000581     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000582     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000583     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000584     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000585     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000586     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000587     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000588     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000589     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000590     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000591     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000592     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000593     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000594     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000595     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000596     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000597     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000598     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000599     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000600     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000601     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000602     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000603     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000604     0.0000831663      3.11      3.95      2.89
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   SRCPARAM L0000605     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000606     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000607     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000608     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000609     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000610     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000611     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000612     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000613     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000614     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000615     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000616     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000617     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000618     0.0000831663      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000619     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000620     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000621     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000622     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000623     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000624     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000625     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000626     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000627     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000628     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000629     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000630     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000631     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000632     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000633     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000634     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000635     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000636     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000637     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000638     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000639     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000640     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000641     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000642     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000643     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000644     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000645     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000646     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000647     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000648     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000649     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000650     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000651     0.00000009091      3.11      3.95      2.89
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SRCPARAM L0000652     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000653     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000654     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000655     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000656     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000657     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000658     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000659     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000660     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000661     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000662     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000663     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000664     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000665     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000666     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000667     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000668     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000669     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000670     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000671     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000672     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000673     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000674     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000675     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000676     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000677     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000678     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000679     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000680     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000681     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000682     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000683     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000684     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000685     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000686     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000687     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000688     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000689     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000690     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000691     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000692     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000693     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000694     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000695     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000696     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000697     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000698     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000699     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000700     0.00000009091      3.11      3.95      2.89
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   SRCPARAM L0000701     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000702     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000703     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000704     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000705     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000706     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000707     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000708     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000709     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000710     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000711     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000712     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000713     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000714     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000715     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000716     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000717     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000718     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000719     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000720     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000721     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000722     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000723     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000724     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000725     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000726     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000727     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000728     0.00000009091      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000729     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000730     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000731     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000732     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000733     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000734     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000735     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000736     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000737     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000738     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000739     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000740     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000741     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000742     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000743     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000744     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000745     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000746     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000747     0.00000009045      3.11      3.95      2.89
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   SRCPARAM L0000748     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000749     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0000750     0.00000009045      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000751     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000752     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000753     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000754     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000755     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000756     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000757     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000758     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000759     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000760     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000761     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000762     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000763     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000764     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000765     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000766     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000767     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000768     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000769     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000770     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000771     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000772     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000773     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000774     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000775     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000776     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000777     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000778     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000779     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000780     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000781     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000782     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000783     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000784     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000785     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000786     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000787     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000788     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000789     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000790     0.00000009125      3.11      3.95      2.89
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
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** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000507     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000508     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000509     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000510     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000511     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000512     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000513     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000514     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000515     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000516     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000517     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000518     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000624     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000685     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000685     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000723     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000723     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000723     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000724     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000724     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000724     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000724     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000725     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000725     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000725     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000725     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000726     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000726     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000726     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000726     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000727     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000727     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000727     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000727     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000728     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000728     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000728     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000728     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000729     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000730     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000731     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000732     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000733     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000734     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000735     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000735     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000736     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000736     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000737     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000738     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000739     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000740     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000741     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000742     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000743     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000744     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000745     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000746     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000747     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000748     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000749     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000750     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000751     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000752     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000752     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000752     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000752     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000753     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000756     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000756     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000760     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000762     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000763     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000763     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000775     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000782     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000783     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000787     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000787     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0000751     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000751     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000752     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000753     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000753     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000754     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000754     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000754     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000754     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000759     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000760     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000761     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000761     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000761     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000761     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000762     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000762     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000762     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000763     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000765     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
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   INCLUDED "Artesia Blvd SP Const_revised.rou"
RE FINISHED
**
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** AERMOD Meteorology Pathway
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**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "ARTESIA BLVD SP CONST_REVISED.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "ARTESIA BLVD SP CONST_REVISED.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "ARTESIA BLVD SP CONST_REVISED.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd SP Const_revised.sum"
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.0
** Lakes Environmental Software Inc.
** Date: 9/2/2022
** File: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\Artesia Blvd SP
Const_revised\Artesia Blvd SP Const_revised.ADI
**
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**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd SP Const_revised.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.009314631
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
** 399673.872, 3748634.849, 17.77, 3.11, 3.95
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** 399738.701, 3748634.849, 17.57, 3.11, 3.95
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** 399675.898, 3748807.050, 18.11, 3.11, 3.95
** 399677.249, 3748655.108, 17.67, 3.11, 3.95
** 399723.844, 3748653.082, 17.79, 3.11, 3.95
** 399722.494, 3748796.920, 18.04, 3.11, 3.95
** 399687.378, 3748800.297, 18.12, 3.11, 3.95
** 399690.080, 3748665.912, 17.88, 3.11, 3.95
** 399711.689, 3748666.588, 17.81, 3.11, 3.95
** 399704.261, 3748790.167, 18.05, 3.11, 3.95
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   LOCATION L0000508     VOLUME   399686.622 3748634.849 17.74
   LOCATION L0000509     VOLUME   399695.122 3748634.849 17.82
   LOCATION L0000510     VOLUME   399703.622 3748634.849 17.83
   LOCATION L0000511     VOLUME   399712.122 3748634.849 17.83
   LOCATION L0000512     VOLUME   399720.622 3748634.849 17.79
   LOCATION L0000513     VOLUME   399729.122 3748634.849 17.71
   LOCATION L0000514     VOLUME   399737.622 3748634.849 17.64
   LOCATION L0000515     VOLUME   399738.382 3748642.263 17.67
   LOCATION L0000516     VOLUME   399738.017 3748650.756 17.72
   LOCATION L0000517     VOLUME   399737.653 3748659.248 17.75
   LOCATION L0000518     VOLUME   399737.288 3748667.740 17.76
   LOCATION L0000519     VOLUME   399736.923 3748676.232 17.77
   LOCATION L0000520     VOLUME   399736.558 3748684.724 17.78
   LOCATION L0000521     VOLUME   399736.193 3748693.216 17.78
   LOCATION L0000522     VOLUME   399735.828 3748701.709 17.78
   LOCATION L0000523     VOLUME   399735.463 3748710.201 17.79
   LOCATION L0000524     VOLUME   399735.098 3748718.693 17.80
   LOCATION L0000525     VOLUME   399734.733 3748727.185 17.82
   LOCATION L0000526     VOLUME   399734.369 3748735.677 17.84
   LOCATION L0000527     VOLUME   399734.004 3748744.169 17.86
   LOCATION L0000528     VOLUME   399733.639 3748752.662 17.88
   LOCATION L0000529     VOLUME   399733.274 3748761.154 17.90
   LOCATION L0000530     VOLUME   399732.909 3748769.646 17.92
   LOCATION L0000531     VOLUME   399732.544 3748778.138 17.95
   LOCATION L0000532     VOLUME   399732.179 3748786.630 17.95
   LOCATION L0000533     VOLUME   399731.814 3748795.122 17.95
   LOCATION L0000534     VOLUME   399731.449 3748803.615 17.96
   LOCATION L0000535     VOLUME   399726.887 3748807.671 18.00
   LOCATION L0000536     VOLUME   399718.388 3748807.568 18.07
   LOCATION L0000537     VOLUME   399709.888 3748807.464 18.09
   LOCATION L0000538     VOLUME   399701.389 3748807.360 18.11
   LOCATION L0000539     VOLUME   399692.890 3748807.257 18.12
   LOCATION L0000540     VOLUME   399684.390 3748807.153 18.00
   LOCATION L0000541     VOLUME   399675.898 3748807.042 17.86
   LOCATION L0000542     VOLUME   399675.974 3748798.542 17.85
   LOCATION L0000543     VOLUME   399676.050 3748790.043 17.84
   LOCATION L0000544     VOLUME   399676.125 3748781.543 17.83
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LOCATION L0000547 VOLUME 399676.352 3748756.044 17.81
LOCATION L0000548 VOLUME 399676.427 3748747.544 17.80
LOCATION L0000549 VOLUME 399676.503 3748739.045 17.73
LOCATION L0000550 VOLUME 399676.578 3748730.545 17.66
LOCATION L0000551 VOLUME 399676.654 3748722.045 17.60
LOCATION L0000552 VOLUME 399676.729 3748713.546 17.56
LOCATION L0000553 VOLUME 399676.805 3748705.046 17.56
LOCATION L0000554 VOLUME 399676.881 3748696.546 17.55
LOCATION L0000555 VOLUME 399676.956 3748688.047 17.55
LOCATION L0000556 VOLUME 399677.032 3748679.547 17.57
LOCATION L0000557 VOLUME 399677.107 3748671.047 17.61
LOCATION L0000558 VOLUME 399677.183 3748662.548 17.64
LOCATION L0000559 VOLUME 399678.308 3748655.062 17.68
LOCATION L0000560 VOLUME 399686.800 3748654.692 17.88
LOCATION L0000561 VOLUME 399695.292 3748654.323 17.93
LOCATION L0000562 VOLUME 399703.784 3748653.954 17.88
LOCATION L0000563 VOLUME 399712.275 3748653.585 17.82
LOCATION L0000564 VOLUME 399720.767 3748653.216 17.78
LOCATION L0000565 VOLUME 399723.794 3748658.502 17.78
LOCATION L0000566 VOLUME 399723.714 3748667.001 17.77
LOCATION L0000567 VOLUME 399723.634 3748675.501 17.77
LOCATION L0000568 VOLUME 399723.554 3748684.001 17.77
LOCATION L0000569 VOLUME 399723.474 3748692.500 17.77
LOCATION L0000570 VOLUME 399723.395 3748701.000 17.78
LOCATION L0000571 VOLUME 399723.315 3748709.499 17.79
LOCATION L0000572 VOLUME 399723.235 3748717.999 17.80
LOCATION L0000573 VOLUME 399723.155 3748726.499 17.84
LOCATION L0000574 VOLUME 399723.075 3748734.998 17.87
LOCATION L0000575 VOLUME 399722.995 3748743.498 17.90
LOCATION L0000576 VOLUME 399722.916 3748751.998 17.93
LOCATION L0000577 VOLUME 399722.836 3748760.497 17.96
LOCATION L0000578 VOLUME 399722.756 3748768.997 17.99
LOCATION L0000579 VOLUME 399722.676 3748777.496 18.03
LOCATION L0000580 VOLUME 399722.596 3748785.996 18.03
LOCATION L0000581 VOLUME 399722.517 3748794.496 18.03
LOCATION L0000582 VOLUME 399716.446 3748797.502 18.08
LOCATION L0000583 VOLUME 399707.985 3748798.315 18.09
LOCATION L0000584 VOLUME 399699.524 3748799.129 18.11
LOCATION L0000585 VOLUME 399691.063 3748799.942 18.11
LOCATION L0000586 VOLUME 399687.475 3748795.499 18.05
LOCATION L0000587 VOLUME 399687.646 3748787.001 18.05
LOCATION L0000588 VOLUME 399687.816 3748778.503 18.05
LOCATION L0000589 VOLUME 399687.987 3748770.005 18.06
LOCATION L0000590 VOLUME 399688.158 3748761.506 18.07
LOCATION L0000591 VOLUME 399688.329 3748753.008 18.09
LOCATION L0000592 VOLUME 399688.500 3748744.510 18.05
LOCATION L0000593 VOLUME 399688.671 3748736.011 17.95

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   LOCATION L0000595     VOLUME   399689.012 3748719.015 17.74
   LOCATION L0000596     VOLUME   399689.183 3748710.517 17.73
   LOCATION L0000597     VOLUME   399689.354 3748702.018 17.74
   LOCATION L0000598     VOLUME   399689.525 3748693.520 17.74
   LOCATION L0000599     VOLUME   399689.695 3748685.022 17.76
   LOCATION L0000600     VOLUME   399689.866 3748676.523 17.82
   LOCATION L0000601     VOLUME   399690.037 3748668.025 17.88
   LOCATION L0000602     VOLUME   399696.463 3748666.112 17.88
   LOCATION L0000603     VOLUME   399704.959 3748666.377 17.84
   LOCATION L0000604     VOLUME   399711.583 3748668.351 17.80
   LOCATION L0000605     VOLUME   399711.073 3748676.836 17.78
   LOCATION L0000606     VOLUME   399710.563 3748685.321 17.76
   LOCATION L0000607     VOLUME   399710.053 3748693.805 17.77
   LOCATION L0000608     VOLUME   399709.543 3748702.290 17.78
   LOCATION L0000609     VOLUME   399709.033 3748710.775 17.78
   LOCATION L0000610     VOLUME   399708.523 3748719.259 17.80
   LOCATION L0000611     VOLUME   399708.013 3748727.744 17.87
   LOCATION L0000612     VOLUME   399707.503 3748736.229 17.93
   LOCATION L0000613     VOLUME   399706.993 3748744.714 18.01
   LOCATION L0000614     VOLUME   399706.483 3748753.198 18.05
   LOCATION L0000615     VOLUME   399705.973 3748761.683 18.07
   LOCATION L0000616     VOLUME   399705.463 3748770.168 18.08
   LOCATION L0000617     VOLUME   399704.953 3748778.652 18.10
   LOCATION L0000618     VOLUME   399704.443 3748787.137 18.10
** End of LINE VOLUME Source ID = SLINE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Artesia Blvd
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00001
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 400190.329, 3748608.273, 18.00, 3.11, 3.95
** 399898.360, 3748607.081, 17.97, 3.11, 3.95
** 399253.646, 3748604.698, 18.64, 3.11, 3.95
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   LOCATION L0000620     VOLUME   400177.579 3748608.221 18.12
   LOCATION L0000621     VOLUME   400169.079 3748608.186 18.00
   LOCATION L0000622     VOLUME   400160.579 3748608.152 17.88
   LOCATION L0000623     VOLUME   400152.080 3748608.117 17.76
   LOCATION L0000624     VOLUME   400143.580 3748608.082 17.84
   LOCATION L0000625     VOLUME   400135.080 3748608.047 17.91
   LOCATION L0000626     VOLUME   400126.580 3748608.013 17.99
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LOCATION L0000627 VOLUME 400118.080 3748607.978 17.88
LOCATION L0000628 VOLUME 400109.580 3748607.943 17.78
LOCATION L0000629 VOLUME 400101.080 3748607.909 17.68
LOCATION L0000630 VOLUME 400092.580 3748607.874 17.77
LOCATION L0000631 VOLUME 400084.080 3748607.839 17.86
LOCATION L0000632 VOLUME 400075.580 3748607.805 17.95
LOCATION L0000633 VOLUME 400067.080 3748607.770 17.93
LOCATION L0000634 VOLUME 400058.580 3748607.735 17.91
LOCATION L0000635 VOLUME 400050.080 3748607.701 17.88
LOCATION L0000636 VOLUME 400041.580 3748607.666 17.87
LOCATION L0000637 VOLUME 400033.080 3748607.631 17.86
LOCATION L0000638 VOLUME 400024.581 3748607.596 17.85
LOCATION L0000639 VOLUME 400016.081 3748607.562 17.86
LOCATION L0000640 VOLUME 400007.581 3748607.527 17.88
LOCATION L0000641 VOLUME 399999.081 3748607.492 17.89
LOCATION L0000642 VOLUME 399990.581 3748607.458 17.94
LOCATION L0000643 VOLUME 399982.081 3748607.423 17.99
LOCATION L0000644 VOLUME 399973.581 3748607.388 18.04
LOCATION L0000645 VOLUME 399965.081 3748607.354 18.03
LOCATION L0000646 VOLUME 399956.581 3748607.319 18.02
LOCATION L0000647 VOLUME 399948.081 3748607.284 18.01
LOCATION L0000648 VOLUME 399939.581 3748607.250 18.01
LOCATION L0000649 VOLUME 399931.081 3748607.215 18.01
LOCATION L0000650 VOLUME 399922.581 3748607.180 18.01
LOCATION L0000651 VOLUME 399914.081 3748607.145 17.99
LOCATION L0000652 VOLUME 399905.582 3748607.111 17.96
LOCATION L0000653 VOLUME 399897.082 3748607.077 17.94
LOCATION L0000654 VOLUME 399888.582 3748607.045 17.95
LOCATION L0000655 VOLUME 399880.082 3748607.014 17.96
LOCATION L0000656 VOLUME 399871.582 3748606.982 17.98
LOCATION L0000657 VOLUME 399863.082 3748606.951 17.95
LOCATION L0000658 VOLUME 399854.582 3748606.919 17.90
LOCATION L0000659 VOLUME 399846.082 3748606.888 17.85
LOCATION L0000660 VOLUME 399837.582 3748606.857 17.80
LOCATION L0000661 VOLUME 399829.082 3748606.825 17.74
LOCATION L0000662 VOLUME 399820.582 3748606.794 17.69
LOCATION L0000663 VOLUME 399812.082 3748606.762 17.68
LOCATION L0000664 VOLUME 399803.582 3748606.731 17.69
LOCATION L0000665 VOLUME 399795.082 3748606.699 17.69
LOCATION L0000666 VOLUME 399786.582 3748606.668 17.68
LOCATION L0000667 VOLUME 399778.082 3748606.637 17.67
LOCATION L0000668 VOLUME 399769.582 3748606.605 17.65
LOCATION L0000669 VOLUME 399761.083 3748606.574 17.60
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LOCATION L0000671 VOLUME 399744.083 3748606.511 17.47
LOCATION L0000672 VOLUME 399735.583 3748606.479 17.47
LOCATION L0000673 VOLUME 399727.083 3748606.448 17.50
LOCATION L0000674 VOLUME 399718.583 3748606.417 17.53
LOCATION L0000675 VOLUME 399710.083 3748606.385 17.52

LOCATION L0000676 VOLUME 399701.583 3748606.354 17.50
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LOCATION L0000678 VOLUME 399684.583 3748606.291 17.43
LOCATION L0000679 VOLUME 399676.083 3748606.260 17.36
LOCATION L0000680 VOLUME 399667.583 3748606.228 17.28
LOCATION L0000681 VOLUME 399659.083 3748606.197 17.30
LOCATION L0000682 VOLUME 399650.583 3748606.165 17.36
LOCATION L0000683 VOLUME 399642.083 3748606.134 17.42
LOCATION L0000684 VOLUME 399633.583 3748606.102 17.46
LOCATION L0000685 VOLUME 399625.083 3748606.071 17.50
LOCATION L0000686 VOLUME 399616.584 3748606.040 17.53
LOCATION L0000687 VOLUME 399608.084 3748606.008 17.57
LOCATION L0000688 VOLUME 399599.584 3748605.977 17.61
LOCATION L0000689 VOLUME 399591.084 3748605.945 17.64
LOCATION L0000690 VOLUME 399582.584 3748605.914 17.70
LOCATION L0000691 VOLUME 399574.084 3748605.882 17.78
LOCATION L0000692 VOLUME 399565.584 3748605.851 17.85
LOCATION L0000693 VOLUME 399557.084 3748605.820 17.89
LOCATION L0000694 VOLUME 399548.584 3748605.788 17.89
LOCATION L0000695 VOLUME 399540.084 3748605.757 17.90
LOCATION L0000696 VOLUME 399531.584 3748605.725 17.92
LOCATION L0000697 VOLUME 399523.084 3748605.694 17.95
LOCATION L0000698 VOLUME 399514.584 3748605.662 17.98
LOCATION L0000699 VOLUME 399506.084 3748605.631 18.00
LOCATION L0000700 VOLUME 399497.584 3748605.600 17.99
LOCATION L0000701 VOLUME 399489.084 3748605.568 17.99
LOCATION L0000702 VOLUME 399480.584 3748605.537 18.01
LOCATION L0000703 VOLUME 399472.085 3748605.505 18.05
LOCATION L0000704 VOLUME 399463.585 3748605.474 18.09
LOCATION L0000705 VOLUME 399455.085 3748605.443 18.13
LOCATION L0000706 VOLUME 399446.585 3748605.411 18.15
LOCATION L0000707 VOLUME 399438.085 3748605.380 18.17
LOCATION L0000708 VOLUME 399429.585 3748605.348 18.19
LOCATION L0000709 VOLUME 399421.085 3748605.317 18.22
LOCATION L0000710 VOLUME 399412.585 3748605.285 18.24
LOCATION L0000711 VOLUME 399404.085 3748605.254 18.27
LOCATION L0000712 VOLUME 399395.585 3748605.223 18.31
LOCATION L0000713 VOLUME 399387.085 3748605.191 18.35
LOCATION L0000714 VOLUME 399378.585 3748605.160 18.39
LOCATION L0000715 VOLUME 399370.085 3748605.128 18.41
LOCATION L0000716 VOLUME 399361.585 3748605.097 18.43
LOCATION L0000717 VOLUME 399353.085 3748605.065 18.45
LOCATION L0000718 VOLUME 399344.585 3748605.034 18.48
LOCATION L0000719 VOLUME 399336.085 3748605.003 18.51
LOCATION L0000720 VOLUME 399327.586 3748604.971 18.53
LOCATION L0000721 VOLUME 399319.086 3748604.940 18.54
LOCATION L0000722 VOLUME 399310.586 3748604.908 18.56
LOCATION L0000723 VOLUME 399302.086 3748604.877 18.57
LOCATION L0000724 VOLUME 399293.586 3748604.845 18.58

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   LOCATION L0000725     VOLUME   399285.086 3748604.814 18.58
   LOCATION L0000726     VOLUME   399276.586 3748604.783 18.59
   LOCATION L0000727     VOLUME   399268.086 3748604.751 18.61
   LOCATION L0000728     VOLUME   399259.586 3748604.720 18.64
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Fallon Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399656.444, 3748806.097, 17.78, 3.11, 3.95
** 399656.444, 3748620.190, 17.30, 3.11, 3.95
** ----------------------------------------------------------------
   LOCATION L0000729     VOLUME   399656.444 3748801.847 17.75
   LOCATION L0000730     VOLUME   399656.444 3748793.347 17.73
   LOCATION L0000731     VOLUME   399656.444 3748784.847 17.70
   LOCATION L0000732     VOLUME   399656.444 3748776.347 17.68
   LOCATION L0000733     VOLUME   399656.444 3748767.847 17.67
   LOCATION L0000734     VOLUME   399656.444 3748759.347 17.65
   LOCATION L0000735     VOLUME   399656.444 3748750.847 17.64
   LOCATION L0000736     VOLUME   399656.444 3748742.347 17.61
   LOCATION L0000737     VOLUME   399656.444 3748733.847 17.58
   LOCATION L0000738     VOLUME   399656.444 3748725.347 17.56
   LOCATION L0000739     VOLUME   399656.444 3748716.847 17.53
   LOCATION L0000740     VOLUME   399656.444 3748708.347 17.52
   LOCATION L0000741     VOLUME   399656.444 3748699.847 17.52
   LOCATION L0000742     VOLUME   399656.444 3748691.347 17.51
   LOCATION L0000743     VOLUME   399656.444 3748682.847 17.52
   LOCATION L0000744     VOLUME   399656.444 3748674.347 17.54
   LOCATION L0000745     VOLUME   399656.444 3748665.847 17.56
   LOCATION L0000746     VOLUME   399656.444 3748657.347 17.58
   LOCATION L0000747     VOLUME   399656.444 3748648.847 17.51
   LOCATION L0000748     VOLUME   399656.444 3748640.347 17.43
   LOCATION L0000749     VOLUME   399656.444 3748631.847 17.36
   LOCATION L0000750     VOLUME   399656.444 3748623.347 17.30
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Pioneer Blvd Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
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** Emission Rate = 3.65E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399906.702, 3748621.382, 18.01, 3.11, 3.95
** 399905.511, 3748962.211, 20.05, 3.11, 3.95
** ----------------------------------------------------------------
   LOCATION L0000751     VOLUME   399906.688 3748625.632 18.02
   LOCATION L0000752     VOLUME   399906.658 3748634.132 18.03
   LOCATION L0000753     VOLUME   399906.628 3748642.632 18.04
   LOCATION L0000754     VOLUME   399906.598 3748651.132 18.05
   LOCATION L0000755     VOLUME   399906.569 3748659.632 18.09
   LOCATION L0000756     VOLUME   399906.539 3748668.131 18.15
   LOCATION L0000757     VOLUME   399906.509 3748676.631 18.21
   LOCATION L0000758     VOLUME   399906.480 3748685.131 18.26
   LOCATION L0000759     VOLUME   399906.450 3748693.631 18.27
   LOCATION L0000760     VOLUME   399906.420 3748702.131 18.28
   LOCATION L0000761     VOLUME   399906.390 3748710.631 18.29
   LOCATION L0000762     VOLUME   399906.361 3748719.131 18.32
   LOCATION L0000763     VOLUME   399906.331 3748727.631 18.37
   LOCATION L0000764     VOLUME   399906.301 3748736.131 18.42
   LOCATION L0000765     VOLUME   399906.272 3748744.631 18.47
   LOCATION L0000766     VOLUME   399906.242 3748753.131 18.56
   LOCATION L0000767     VOLUME   399906.212 3748761.631 18.65
   LOCATION L0000768     VOLUME   399906.182 3748770.131 18.74
   LOCATION L0000769     VOLUME   399906.153 3748778.631 18.82
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   LOCATION L0000776     VOLUME   399905.945 3748838.130 18.97
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   LOCATION L0000778     VOLUME   399905.885 3748855.130 19.07
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   LOCATION L0000780     VOLUME   399905.826 3748872.130 19.15
   LOCATION L0000781     VOLUME   399905.796 3748880.630 19.16
   LOCATION L0000782     VOLUME   399905.766 3748889.130 19.18
   LOCATION L0000783     VOLUME   399905.737 3748897.630 19.19
   LOCATION L0000784     VOLUME   399905.707 3748906.130 19.21
   LOCATION L0000785     VOLUME   399905.677 3748914.630 19.23
   LOCATION L0000786     VOLUME   399905.647 3748923.130 19.24
   LOCATION L0000787     VOLUME   399905.618 3748931.630 19.28
   LOCATION L0000788     VOLUME   399905.588 3748940.130 19.70
   LOCATION L0000789     VOLUME   399905.558 3748948.630 20.10
   LOCATION L0000790     VOLUME   399905.529 3748957.130 20.48
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** Source Parameters **
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   SRCPARAM L0000759     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000760     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000761     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000762     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000763     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000764     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000765     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000766     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000767     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000768     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000769     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000770     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000771     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000772     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000773     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000774     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000775     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000776     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000777     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000778     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000779     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000780     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000781     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000782     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000783     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000784     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000785     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000786     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000787     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000788     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000789     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0000790     0.00000009125      3.11      3.95      2.89
** ------------------------------------------------------------------
   URBANSRC ALL
```

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** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000507     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000508     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000509     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000510     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000511     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000512     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000513     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000514     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000515     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000516     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000517     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000518     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000519     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000520     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000521     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000522     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000523     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000524     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000525     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000526     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000527     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000528     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000529     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000530     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000530     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000531     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000532     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000533     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000534     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000535     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000536     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000537     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000538     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000539     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000540     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000541     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000541     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000542     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000545     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000546     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000547     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000548     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000549     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000550     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000550     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000550     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000550     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000551     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000552     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000553     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000554     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000555     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000555     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000556     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000557     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000558     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000559     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000560     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000561     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000562     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000563     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000703     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000703     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000703     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000703     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000704     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000704     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000704     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000704     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000705     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000705     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000706     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000706     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000706     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000707     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000707     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000707     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000707     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000708     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000708     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000708     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000708     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000709     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000709     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000709     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000709     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000710     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000710     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000712     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000712     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000713     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000713     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000714     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000715     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000716     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000719     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000721     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000721     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000721     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000721     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000722     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000722     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000723     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000724     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000729     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000730     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000731     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000731     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000732     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000733     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000735     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000735     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000736     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000736     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000737     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000739     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000740     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000741     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000742     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000743     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000746     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000729     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000731     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000732     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000733     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000734     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000735     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000736     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000737     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000738     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000739     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000740     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000741     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000742     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000743     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000744     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000745     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000746     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000747     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000748     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000749     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000750     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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EMISFACT L0000751     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000751     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000751     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000752     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000752     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000752     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000752     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000753     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000753     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000753     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000754     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000754     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000756     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000756     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000756     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000756     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000757     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000757     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000757     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000757     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000758     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000758     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000758     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000759     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000759     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000759     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000759     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000760     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000762     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000763     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000763     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000763     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000764     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000764     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000764     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000765     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000765     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000765     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000768     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000768     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000768     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000769     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000769     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000769     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000771     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000771     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000775     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000775     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000776     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000777     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000778     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000782     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000783     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000785     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000786     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000786     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000786     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000787     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000787     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000787     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT L0000751     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0000751     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000769     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000769     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000770     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000770     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000770     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000770     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000771     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000771     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000771     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000771     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000772     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000772     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000772     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000772     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000773     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000773     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000773     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000773     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000774     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000774     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000774     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000774     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000775     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000775     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000775     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000775     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000776     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000776     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000776     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000776     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000777     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000777     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000777     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000777     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000778     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000778     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000778     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000778     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000779     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000779     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000779     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000779     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000780     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000780     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000780     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000780     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000781     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000781     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000781     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000782     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000782     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000782     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000782     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000783     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000783     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000783     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000783     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000784     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000784     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000784     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000784     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000785     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000785     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000785     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000785     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000786     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000786     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000786     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000786     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000787     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000787     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000787     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000787     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000788     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000788     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000788     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000788     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000789     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000789     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000789     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000789     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000790     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
*************************************
** AERMOD Receptor Pathway
*************************************
**
**
```

```
RE STARTING
   INCLUDED "Artesia Blvd SP Const_revised.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "ARTESIA BLVD SP CONST_REVISED.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "ARTESIA BLVD SP CONST_REVISED.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "ARTESIA BLVD SP CONST_REVISED.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd SP Const_revised.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    4130       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
```

```
    0.50
 ME W187    4130       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   284 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9861224.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10
```

```
 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR
     and Calculates PERIOD Averages

 **This Run Includes:    284 Source(s);       1 Source Group(s); and     478
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    284 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    29.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Artesia Blvd SP Const_revised.err
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000507	0	0.83166E-04	399678.1	3748634.8	17.6	3.11	3.95	2.89	YES	HRDOW
L0000508	0	0.83166E-04	399686.6	3748634.8	17.7	3.11	3.95	2.89	YES	HRDOW
L0000509	0	0.83166E-04	399695.1	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000510	0	0.83166E-04	399703.6	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000511	0	0.83166E-04	399712.1	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000512	0	0.83166E-04	399720.6	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000513	0	0.83166E-04	399729.1	3748634.8	17.7	3.11	3.95	2.89	YES	HRDOW
L0000514	0	0.83166E-04	399737.6	3748634.8	17.6	3.11	3.95	2.89	YES	HRDOW
L0000515	0	0.83166E-04	399738.4	3748642.3	17.7	3.11	3.95	2.89	YES	HRDOW
L0000516	0	0.83166E-04	399738.0	3748650.8	17.7	3.11	3.95	2.89	YES	HRDOW
L0000517	0	0.83166E-04	399737.7	3748659.2	17.8	3.11	3.95	2.89	YES	HRDOW
L0000518	0	0.83166E-04	399737.3	3748667.7	17.8	3.11	3.95	2.89	YES	HRDOW
L0000519	0	0.83166E-04	399736.9	3748676.2	17.8	3.11	3.95	2.89	YES	HRDOW

L0000520	0	0.83166E-04	399736.6	3748684.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000521	0	0.83166E-04	399736.2	3748693.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000522	0	0.83166E-04	399735.8	3748701.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000523	0	0.83166E-04	399735.5	3748710.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000524	0	0.83166E-04	399735.1	3748718.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000525	0	0.83166E-04	399734.7	3748727.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000526	0	0.83166E-04	399734.4	3748735.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000527	0	0.83166E-04	399734.0	3748744.2	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000528	0	0.83166E-04	399733.6	3748752.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000529	0	0.83166E-04	399733.3	3748761.2	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000530	0	0.83166E-04	399732.9	3748769.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000531	0	0.83166E-04	399732.5	3748778.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000532	0	0.83166E-04	399732.2	3748786.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000533	0	0.83166E-04	399731.8	3748795.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000534	0	0.83166E-04	399731.4	3748803.6	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000535	0	0.83166E-04	399726.9	3748807.7	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000536	0	0.83166E-04	399718.4	3748807.6	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000537	0	0.83166E-04	399709.9	3748807.5	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000538	0	0.83166E-04	399701.4	3748807.4	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000539	0	0.83166E-04	399692.9	3748807.3	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000540	0	0.83166E-04	399684.4	3748807.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000541	0	0.83166E-04	399675.9	3748807.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000542	0	0.83166E-04	399676.0	3748798.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000543	0	0.83166E-04	399676.0	3748790.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000544	0	0.83166E-04	399676.1	3748781.5	17.8	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000547	0	0.83166E-04	399676.4	3748756.0	17.8	3.11	3.95	2.89	YES	HRDOW
L0000548	0	0.83166E-04	399676.4	3748747.5	17.8	3.11	3.95	2.89	YES	HRDOW
L0000549	0	0.83166E-04	399676.5	3748739.0	17.7	3.11	3.95	2.89	YES	HRDOW
L0000550	0	0.83166E-04	399676.6	3748730.5	17.7	3.11	3.95	2.89	YES	HRDOW
L0000551	0	0.83166E-04	399676.7	3748722.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000552	0	0.83166E-04	399676.7	3748713.5	17.6	3.11	3.95	2.89	YES	HRDOW
L0000553	0	0.83166E-04	399676.8	3748705.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000554	0	0.83166E-04	399676.9	3748696.5	17.6	3.11	3.95	2.89	YES	HRDOW
L0000555	0	0.83166E-04	399677.0	3748688.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000556	0	0.83166E-04	399677.0	3748679.5	17.6	3.11	3.95	2.89	YES	HRDOW
L0000557	0	0.83166E-04	399677.1	3748671.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000558	0	0.83166E-04	399677.2	3748662.5	17.6	3.11	3.95	2.89	YES	HRDOW

L0000559	0	0.83166E-04	399678.3	3748655.1	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0000560	0	0.83166E-04	399686.8	3748654.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000561	0	0.83166E-04	399695.3	3748654.3	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000562	0	0.83166E-04	399703.8	3748654.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000563	0	0.83166E-04	399712.3	3748653.6	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000564	0	0.83166E-04	399720.8	3748653.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000565	0	0.83166E-04	399723.8	3748658.5	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000566	0	0.83166E-04	399723.7	3748667.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000567	0	0.83166E-04	399723.6	3748675.5	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000568	0	0.83166E-04	399723.6	3748684.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000569	0	0.83166E-04	399723.5	3748692.5	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000570	0	0.83166E-04	399723.4	3748701.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000571	0	0.83166E-04	399723.3	3748709.5	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000572	0	0.83166E-04	399723.2	3748718.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000573	0	0.83166E-04	399723.2	3748726.5	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000574	0	0.83166E-04	399723.1	3748735.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000575	0	0.83166E-04	399723.0	3748743.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000576	0	0.83166E-04	399722.9	3748752.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000577	0	0.83166E-04	399722.8	3748760.5	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000578	0	0.83166E-04	399722.8	3748769.0	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000579	0	0.83166E-04	399722.7	3748777.5	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000580	0	0.83166E-04	399722.6	3748786.0	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000581	0	0.83166E-04	399722.5	3748794.5	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000582	0	0.83166E-04	399716.4	3748797.5	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000583	0	0.83166E-04	399708.0	3748798.3	18.1	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000587	0	0.83166E-04	399687.6	3748787.0	18.1	3.11	3.95	2.89	YES	HRDOW
L0000588	0	0.83166E-04	399687.8	3748778.5	18.1	3.11	3.95	2.89	YES	HRDOW
L0000589	0	0.83166E-04	399688.0	3748770.0	18.1	3.11	3.95	2.89	YES	HRDOW
L0000590	0	0.83166E-04	399688.2	3748761.5	18.1	3.11	3.95	2.89	YES	HRDOW
L0000591	0	0.83166E-04	399688.3	3748753.0	18.1	3.11	3.95	2.89	YES	HRDOW
L0000592	0	0.83166E-04	399688.5	3748744.5	18.1	3.11	3.95	2.89	YES	HRDOW
L0000593	0	0.83166E-04	399688.7	3748736.0	17.9	3.11	3.95	2.89	YES	HRDOW
L0000594	0	0.83166E-04	399688.8	3748727.5	17.9	3.11	3.95	2.89	YES	HRDOW
L0000595	0	0.83166E-04	399689.0	3748719.0	17.7	3.11	3.95	2.89	YES	HRDOW
L0000596	0	0.83166E-04	399689.2	3748710.5	17.7	3.11	3.95	2.89	YES	HRDOW
L0000597	0	0.83166E-04	399689.4	3748702.0	17.7	3.11	3.95	2.89	YES	HRDOW

L0000598	0	0.83166E-04	399689.5	3748693.5	17.7	3.11	3.95	2.89	YES	HRDOW
L0000599	0	0.83166E-04	399689.7	3748685.0	17.8	3.11	3.95	2.89	YES	HRDOW
L0000600	0	0.83166E-04	399689.9	3748676.5	17.8	3.11	3.95	2.89	YES	HRDOW
L0000601	0	0.83166E-04	399690.0	3748668.0	17.9	3.11	3.95	2.89	YES	HRDOW
L0000602	0	0.83166E-04	399696.5	3748666.1	17.9	3.11	3.95	2.89	YES	HRDOW
L0000603	0	0.83166E-04	399705.0	3748666.4	17.8	3.11	3.95	2.89	YES	HRDOW
L0000604	0	0.83166E-04	399711.6	3748668.4	17.8	3.11	3.95	2.89	YES	HRDOW
L0000605	0	0.83166E-04	399711.1	3748676.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000606	0	0.83166E-04	399710.6	3748685.3	17.8	3.11	3.95	2.89	YES	HRDOW
L0000607	0	0.83166E-04	399710.1	3748693.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000608	0	0.83166E-04	399709.5	3748702.3	17.8	3.11	3.95	2.89	YES	HRDOW
L0000609	0	0.83166E-04	399709.0	3748710.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000610	0	0.83166E-04	399708.5	3748719.3	17.8	3.11	3.95	2.89	YES	HRDOW
L0000611	0	0.83166E-04	399708.0	3748727.7	17.9	3.11	3.95	2.89	YES	HRDOW
L0000612	0	0.83166E-04	399707.5	3748736.2	17.9	3.11	3.95	2.89	YES	HRDOW
L0000613	0	0.83166E-04	399707.0	3748744.7	18.0	3.11	3.95	2.89	YES	HRDOW
L0000614	0	0.83166E-04	399706.5	3748753.2	18.1	3.11	3.95	2.89	YES	HRDOW
L0000615	0	0.83166E-04	399706.0	3748761.7	18.1	3.11	3.95	2.89	YES	HRDOW
L0000616	0	0.83166E-04	399705.5	3748770.2	18.1	3.11	3.95	2.89	YES	HRDOW
L0000617	0	0.83166E-04	399705.0	3748778.7	18.1	3.11	3.95	2.89	YES	HRDOW
L0000618	0	0.83166E-04	399704.4	3748787.1	18.1	3.11	3.95	2.89	YES	HRDOW
L0000619	0	0.90910E-07	400186.1	3748608.3	18.1	3.11	3.95	2.89	YES	HRDOW
L0000620	0	0.90910E-07	400177.6	3748608.2	18.1	3.11	3.95	2.89	YES	HRDOW
L0000621	0	0.90910E-07	400169.1	3748608.2	18.0	3.11	3.95	2.89	YES	HRDOW
L0000622	0	0.90910E-07	400160.6	3748608.2	17.9	3.11	3.95			

2.89   YES   HRDOW
 L0000623   0   0.90910E-07 400152.1 3748608.1   17.8   3.11   3.95
2.89   YES   HRDOW
 L0000624   0   0.90910E-07 400143.6 3748608.1   17.8   3.11   3.95
2.89   YES   HRDOW
 L0000625   0   0.90910E-07 400135.1 3748608.0   17.9   3.11   3.95
2.89   YES   HRDOW
 L0000626   0   0.90910E-07 400126.6 3748608.0   18.0   3.11   3.95
2.89   YES   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000627	0	0.90910E-07	400118.1	3748608.0	17.9	3.11	3.95	2.89	YES	HRDOW
L0000628	0	0.90910E-07	400109.6	3748607.9	17.8	3.11	3.95	2.89	YES	HRDOW
L0000629	0	0.90910E-07	400101.1	3748607.9	17.7	3.11	3.95	2.89	YES	HRDOW
L0000630	0	0.90910E-07	400092.6	3748607.9	17.8	3.11	3.95	2.89	YES	HRDOW
L0000631	0	0.90910E-07	400084.1	3748607.8	17.9	3.11	3.95	2.89	YES	HRDOW
L0000632	0	0.90910E-07	400075.6	3748607.8	17.9	3.11	3.95	2.89	YES	HRDOW
L0000633	0	0.90910E-07	400067.1	3748607.8	17.9	3.11	3.95	2.89	YES	HRDOW
L0000634	0	0.90910E-07	400058.6	3748607.7	17.9	3.11	3.95	2.89	YES	HRDOW
L0000635	0	0.90910E-07	400050.1	3748607.7	17.9	3.11	3.95	2.89	YES	HRDOW
L0000636	0	0.90910E-07	400041.6	3748607.7	17.9	3.11	3.95	2.89	YES	HRDOW

L0000637	0	0.90910E-07	400033.1	3748607.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000638	0	0.90910E-07	400024.6	3748607.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000639	0	0.90910E-07	400016.1	3748607.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000640	0	0.90910E-07	400007.6	3748607.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000641	0	0.90910E-07	399999.1	3748607.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000642	0	0.90910E-07	399990.6	3748607.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000643	0	0.90910E-07	399982.1	3748607.4	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000644	0	0.90910E-07	399973.6	3748607.4	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000645	0	0.90910E-07	399965.1	3748607.4	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000646	0	0.90910E-07	399956.6	3748607.3	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000647	0	0.90910E-07	399948.1	3748607.3	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000648	0	0.90910E-07	399939.6	3748607.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000649	0	0.90910E-07	399931.1	3748607.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000650	0	0.90910E-07	399922.6	3748607.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000651	0	0.90910E-07	399914.1	3748607.1	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000652	0	0.90910E-07	399905.6	3748607.1	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000653	0	0.90910E-07	399897.1	3748607.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000654	0	0.90910E-07	399888.6	3748607.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000655	0	0.90910E-07	399880.1	3748607.0	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000656	0	0.90910E-07	399871.6	3748607.0	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000657	0	0.90910E-07	399863.1	3748607.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000658	0	0.90910E-07	399854.6	3748606.9	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000659	0	0.90910E-07	399846.1	3748606.9	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000660	0	0.90910E-07	399837.6	3748606.9	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000661	0	0.90910E-07	399829.1	3748606.8	17.7	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000667	0	0.90910E-07	399778.1	3748606.6	17.7	3.11	3.95	2.89	YES	HRDOW
L0000668	0	0.90910E-07	399769.6	3748606.6	17.7	3.11	3.95	2.89	YES	HRDOW
L0000669	0	0.90910E-07	399761.1	3748606.6	17.6	3.11	3.95	2.89	YES	HRDOW
L0000670	0	0.90910E-07	399752.6	3748606.5	17.5	3.11	3.95	2.89	YES	HRDOW
L0000671	0	0.90910E-07	399744.1	3748606.5	17.5	3.11	3.95	2.89	YES	HRDOW
L0000672	0	0.90910E-07	399735.6	3748606.5	17.5	3.11	3.95	2.89	YES	HRDOW
L0000673	0	0.90910E-07	399727.1	3748606.4	17.5	3.11	3.95	2.89	YES	HRDOW
L0000674	0	0.90910E-07	399718.6	3748606.4	17.5	3.11	3.95	2.89	YES	HRDOW
L0000675	0	0.90910E-07	399710.1	3748606.4	17.5	3.11	3.95	2.89	YES	HRDOW

L0000676	0	0.90910E-07	399701.6	3748606.4	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000677	0	0.90910E-07	399693.1	3748606.3	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000678	0	0.90910E-07	399684.6	3748606.3	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000679	0	0.90910E-07	399676.1	3748606.3	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000680	0	0.90910E-07	399667.6	3748606.2	17.3	3.11	3.95	
2.89	YES	HRDOW						
L0000681	0	0.90910E-07	399659.1	3748606.2	17.3	3.11	3.95	
2.89	YES	HRDOW						
L0000682	0	0.90910E-07	399650.6	3748606.2	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000683	0	0.90910E-07	399642.1	3748606.1	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000684	0	0.90910E-07	399633.6	3748606.1	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000685	0	0.90910E-07	399625.1	3748606.1	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000686	0	0.90910E-07	399616.6	3748606.0	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000687	0	0.90910E-07	399608.1	3748606.0	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0000688	0	0.90910E-07	399599.6	3748606.0	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0000689	0	0.90910E-07	399591.1	3748605.9	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0000690	0	0.90910E-07	399582.6	3748605.9	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0000691	0	0.90910E-07	399574.1	3748605.9	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000692	0	0.90910E-07	399565.6	3748605.9	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000693	0	0.90910E-07	399557.1	3748605.8	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000694	0	0.90910E-07	399548.6	3748605.8	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000695	0	0.90910E-07	399540.1	3748605.8	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000696	0	0.90910E-07	399531.6	3748605.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000697	0	0.90910E-07	399523.1	3748605.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000698	0	0.90910E-07	399514.6	3748605.7	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000699	0	0.90910E-07	399506.1	3748605.6	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000700	0	0.90910E-07	399497.6	3748605.6	18.0	3.11	3.95	

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2.89     YES   HRDOW
 L0000701         0   0.90910E-07  399489.1 3748605.6    18.0     3.11     3.95
2.89     YES   HRDOW
 L0000702         0   0.90910E-07  399480.6 3748605.5    18.0     3.11     3.95
2.89     YES   HRDOW
 L0000703         0   0.90910E-07  399472.1 3748605.5    18.1     3.11     3.95
2.89     YES   HRDOW
 L0000704         0   0.90910E-07  399463.6 3748605.5    18.1     3.11     3.95
2.89     YES   HRDOW
 L0000705         0   0.90910E-07  399455.1 3748605.4    18.1     3.11     3.95
2.89     YES   HRDOW
 L0000706         0   0.90910E-07  399446.6 3748605.4    18.2     3.11     3.95
2.89     YES   HRDOW
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ      SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0000707         0   0.90910E-07  399438.1 3748605.4    18.2     3.11     3.95
2.89     YES   HRDOW
 L0000708         0   0.90910E-07  399429.6 3748605.3    18.2     3.11     3.95
2.89     YES   HRDOW
 L0000709         0   0.90910E-07  399421.1 3748605.3    18.2     3.11     3.95
2.89     YES   HRDOW
 L0000710         0   0.90910E-07  399412.6 3748605.3    18.2     3.11     3.95
2.89     YES   HRDOW
 L0000711         0   0.90910E-07  399404.1 3748605.3    18.3     3.11     3.95
2.89     YES   HRDOW
 L0000712         0   0.90910E-07  399395.6 3748605.2    18.3     3.11     3.95
2.89     YES   HRDOW
 L0000713         0   0.90910E-07  399387.1 3748605.2    18.4     3.11     3.95
2.89     YES   HRDOW
 L0000714         0   0.90910E-07  399378.6 3748605.2    18.4     3.11     3.95
2.89     YES   HRDOW
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L0000715	0	0.90910E-07	399370.1	3748605.1	18.4	3.11	3.95
2.89	YES	HRDOW						
L0000716	0	0.90910E-07	399361.6	3748605.1	18.4	3.11	3.95
2.89	YES	HRDOW						
L0000717	0	0.90910E-07	399353.1	3748605.1	18.4	3.11	3.95
2.89	YES	HRDOW						
L0000718	0	0.90910E-07	399344.6	3748605.0	18.5	3.11	3.95
2.89	YES	HRDOW						
L0000719	0	0.90910E-07	399336.1	3748605.0	18.5	3.11	3.95
2.89	YES	HRDOW						
L0000720	0	0.90910E-07	399327.6	3748605.0	18.5	3.11	3.95
2.89	YES	HRDOW						
L0000721	0	0.90910E-07	399319.1	3748604.9	18.5	3.11	3.95
2.89	YES	HRDOW						
L0000722	0	0.90910E-07	399310.6	3748604.9	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000723	0	0.90910E-07	399302.1	3748604.9	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000724	0	0.90910E-07	399293.6	3748604.8	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000725	0	0.90910E-07	399285.1	3748604.8	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000726	0	0.90910E-07	399276.6	3748604.8	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000727	0	0.90910E-07	399268.1	3748604.8	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000728	0	0.90910E-07	399259.6	3748604.7	18.6	3.11	3.95
2.89	YES	HRDOW						
L0000729	0	0.90450E-07	399656.4	3748801.8	17.8	3.11	3.95
2.89	YES	HRDOW						
L0000730	0	0.90450E-07	399656.4	3748793.3	17.7	3.11	3.95
2.89	YES	HRDOW						
L0000731	0	0.90450E-07	399656.4	3748784.8	17.7	3.11	3.95
2.89	YES	HRDOW						
L0000732	0	0.90450E-07	399656.4	3748776.3	17.7	3.11	3.95
2.89	YES	HRDOW						
L0000733	0	0.90450E-07	399656.4	3748767.8	17.7	3.11	3.95
2.89	YES	HRDOW						
L0000734	0	0.90450E-07	399656.4	3748759.3	17.7	3.11	3.95
2.89	YES	HRDOW						
L0000735	0	0.90450E-07	399656.4	3748750.8	17.6	3.11	3.95
2.89	YES	HRDOW						
L0000736	0	0.90450E-07	399656.4	3748742.3	17.6	3.11	3.95
2.89	YES	HRDOW						
L0000737	0	0.90450E-07	399656.4	3748733.8	17.6	3.11	3.95
2.89	YES	HRDOW						
L0000738	0	0.90450E-07	399656.4	3748725.3	17.6	3.11	3.95
2.89	YES	HRDOW						
L0000739	0	0.90450E-07	399656.4	3748716.8	17.5	3.11	3.95

2.89   YES   HRDOW
 L0000740   0   0.90450E-07 399656.4 3748708.3   17.5   3.11   3.95
2.89   YES   HRDOW
 L0000741   0   0.90450E-07 399656.4 3748699.8   17.5   3.11   3.95
2.89   YES   HRDOW
 L0000742   0   0.90450E-07 399656.4 3748691.3   17.5   3.11   3.95
2.89   YES   HRDOW
 L0000743   0   0.90450E-07 399656.4 3748682.8   17.5   3.11   3.95
2.89   YES   HRDOW
 L0000744   0   0.90450E-07 399656.4 3748674.3   17.5   3.11   3.95
2.89   YES   HRDOW
 L0000745   0   0.90450E-07 399656.4 3748665.8   17.6   3.11   3.95
2.89   YES   HRDOW
 L0000746   0   0.90450E-07 399656.4 3748657.3   17.6   3.11   3.95
2.89   YES   HRDOW

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- -

 L0000747   0   0.90450E-07 399656.4 3748648.8   17.5   3.11   3.95
2.89   YES   HRDOW
 L0000748   0   0.90450E-07 399656.4 3748640.3   17.4   3.11   3.95
2.89   YES   HRDOW
 L0000749   0   0.90450E-07 399656.4 3748631.8   17.4   3.11   3.95
2.89   YES   HRDOW
 L0000750   0   0.90450E-07 399656.4 3748623.3   17.3   3.11   3.95
2.89   YES   HRDOW
 L0000751   0   0.91250E-07 399906.7 3748625.6   18.0   3.11   3.95
2.89   YES   HRDOW
 L0000752   0   0.91250E-07 399906.7 3748634.1   18.0   3.11   3.95
2.89   YES   HRDOW
 L0000753   0   0.91250E-07 399906.6 3748642.6   18.0   3.11   3.95
2.89   YES   HRDOW

L0000754	0	0.91250E-07	399906.6	3748651.1	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000755	0	0.91250E-07	399906.6	3748659.6	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000756	0	0.91250E-07	399906.5	3748668.1	18.2	3.11	3.95	
2.89	YES	HRDOW						
L0000757	0	0.91250E-07	399906.5	3748676.6	18.2	3.11	3.95	
2.89	YES	HRDOW						
L0000758	0	0.91250E-07	399906.5	3748685.1	18.3	3.11	3.95	
2.89	YES	HRDOW						
L0000759	0	0.91250E-07	399906.5	3748693.6	18.3	3.11	3.95	
2.89	YES	HRDOW						
L0000760	0	0.91250E-07	399906.4	3748702.1	18.3	3.11	3.95	
2.89	YES	HRDOW						
L0000761	0	0.91250E-07	399906.4	3748710.6	18.3	3.11	3.95	
2.89	YES	HRDOW						
L0000762	0	0.91250E-07	399906.4	3748719.1	18.3	3.11	3.95	
2.89	YES	HRDOW						
L0000763	0	0.91250E-07	399906.3	3748727.6	18.4	3.11	3.95	
2.89	YES	HRDOW						
L0000764	0	0.91250E-07	399906.3	3748736.1	18.4	3.11	3.95	
2.89	YES	HRDOW						
L0000765	0	0.91250E-07	399906.3	3748744.6	18.5	3.11	3.95	
2.89	YES	HRDOW						
L0000766	0	0.91250E-07	399906.2	3748753.1	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0000767	0	0.91250E-07	399906.2	3748761.6	18.7	3.11	3.95	
2.89	YES	HRDOW						
L0000768	0	0.91250E-07	399906.2	3748770.1	18.7	3.11	3.95	
2.89	YES	HRDOW						
L0000769	0	0.91250E-07	399906.2	3748778.6	18.8	3.11	3.95	
2.89	YES	HRDOW						
L0000770	0	0.91250E-07	399906.1	3748787.1	18.8	3.11	3.95	
2.89	YES	HRDOW						
L0000771	0	0.91250E-07	399906.1	3748795.6	18.9	3.11	3.95	
2.89	YES	HRDOW						
L0000772	0	0.91250E-07	399906.1	3748804.1	18.9	3.11	3.95	
2.89	YES	HRDOW						
L0000773	0	0.91250E-07	399906.0	3748812.6	18.9	3.11	3.95	
2.89	YES	HRDOW						
L0000774	0	0.91250E-07	399906.0	3748821.1	18.9	3.11	3.95	
2.89	YES	HRDOW						
L0000775	0	0.91250E-07	399906.0	3748829.6	18.9	3.11	3.95	
2.89	YES	HRDOW						
L0000776	0	0.91250E-07	399905.9	3748838.1	19.0	3.11	3.95	
2.89	YES	HRDOW						
L0000777	0	0.91250E-07	399905.9	3748846.6	19.0	3.11	3.95	
2.89	YES	HRDOW						
L0000778	0	0.91250E-07	399905.9	3748855.1	19.1	3.11	3.95	

```
2.89     YES   HRDOW
 L0000779         0   0.91250E-07  399905.9 3748863.6    19.1     3.11     3.95
2.89     YES   HRDOW
 L0000780         0   0.91250E-07  399905.8 3748872.1    19.2     3.11     3.95
2.89     YES   HRDOW
 L0000781         0   0.91250E-07  399905.8 3748880.6    19.2     3.11     3.95
2.89     YES   HRDOW
 L0000782         0   0.91250E-07  399905.8 3748889.1    19.2     3.11     3.95
2.89     YES   HRDOW
 L0000783         0   0.91250E-07  399905.7 3748897.6    19.2     3.11     3.95
2.89     YES   HRDOW
 L0000784         0   0.91250E-07  399905.7 3748906.1    19.2     3.11     3.95
2.89     YES   HRDOW
 L0000785         0   0.91250E-07  399905.7 3748914.6    19.2     3.11     3.95
2.89     YES   HRDOW
 L0000786         0   0.91250E-07  399905.6 3748923.1    19.2     3.11     3.95
2.89     YES   HRDOW
```

```
                                                     *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ      SOURCE  SCALAR VARY
     ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000787         0   0.91250E-07  399905.6 3748931.6    19.3     3.11     3.95
2.89     YES   HRDOW
 L0000788         0   0.91250E-07  399905.6 3748940.1    19.7     3.11     3.95
2.89     YES   HRDOW
 L0000789         0   0.91250E-07  399905.6 3748948.6    20.1     3.11     3.95
2.89     YES   HRDOW
 L0000790         0   0.91250E-07  399905.5 3748957.1    20.5     3.11     3.95
2.89     YES   HRDOW
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 , L0000513 , L0000514 ,
	L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 , L0000522 ,
	L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 , L0000530 ,
	L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 , L0000537 , L0000538 ,
	L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 , L0000546 ,
	L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 , L0000554 ,
	L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561 , L0000562 ,
	L0000563 , L0000564 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569 , L0000570 ,
	L0000571 , L0000572 , L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 ,
	L0000579 , L0000580 , L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 ,
	L0000587 , L0000588 , L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 ,
	L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 ,
	L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 ,

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             L0000611    , L0000612    , L0000613    , L0000614    , L0000615    ,
L0000616    , L0000617    , L0000618    ,

             L0000619    , L0000620    , L0000621    , L0000622    , L0000623    ,
L0000624    , L0000625    , L0000626    ,

             L0000627    , L0000628    , L0000629    , L0000630    , L0000631    ,
L0000632    , L0000633    , L0000634    ,

             L0000635    , L0000636    , L0000637    , L0000638    , L0000639    ,
L0000640    , L0000641    , L0000642    ,

             L0000643    , L0000644    , L0000645    , L0000646    , L0000647    ,
L0000648    , L0000649    , L0000650    ,

             L0000651    , L0000652    , L0000653    , L0000654    , L0000655    ,
L0000656    , L0000657    , L0000658    ,

             L0000659    , L0000660    , L0000661    , L0000662    , L0000663    ,
L0000664    , L0000665    , L0000666    ,
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

```
             L0000667    , L0000668    , L0000669    , L0000670    , L0000671    ,
L0000672    , L0000673    , L0000674    ,

             L0000675    , L0000676    , L0000677    , L0000678    , L0000679    ,
L0000680    , L0000681    , L0000682    ,

             L0000683    , L0000684    , L0000685    , L0000686    , L0000687    ,
L0000688    , L0000689    , L0000690    ,

             L0000691    , L0000692    , L0000693    , L0000694    , L0000695    ,
L0000696    , L0000697    , L0000698    ,

             L0000699    , L0000700    , L0000701    , L0000702    , L0000703    ,
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L0000704   , L0000705   , L0000706   ,

             L0000707   , L0000708   , L0000709   , L0000710   , L0000711   ,
L0000712   , L0000713   , L0000714   ,

             L0000715   , L0000716   , L0000717   , L0000718   , L0000719   ,
L0000720   , L0000721   , L0000722   ,

             L0000723   , L0000724   , L0000725   , L0000726   , L0000727   ,
L0000728   , L0000729   , L0000730   ,

             L0000731   , L0000732   , L0000733   , L0000734   , L0000735   ,
L0000736   , L0000737   , L0000738   ,

             L0000739   , L0000740   , L0000741   , L0000742   , L0000743   ,
L0000744   , L0000745   , L0000746   ,

             L0000747   , L0000748   , L0000749   , L0000750   , L0000751   ,
L0000752   , L0000753   , L0000754   ,

             L0000755   , L0000756   , L0000757   , L0000758   , L0000759   ,
L0000760   , L0000761   , L0000762   ,

             L0000763   , L0000764   , L0000765   , L0000766   , L0000767   ,
L0000768   , L0000769   , L0000770   ,

             L0000771   , L0000772   , L0000773   , L0000774   , L0000775   ,
L0000776   , L0000777   , L0000778   ,

             L0000779   , L0000780   , L0000781   , L0000782   , L0000783   ,
L0000784   , L0000785   , L0000786   ,

             L0000787   , L0000788   , L0000789   , L0000790   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

9861224. L0000507 , L0000508 , L0000509 , L0000510 ,
L0000511 , L0000512 , L0000513 ,
L0000514 ,

L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 ,

L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 ,

L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
L0000536 , L0000537 , L0000538 ,

L0000539 , L0000540 , L0000541 , L0000542 , L0000543 ,
L0000544 , L0000545 , L0000546 ,

L0000547 , L0000548 , L0000549 , L0000550 , L0000551 ,
L0000552 , L0000553 , L0000554 ,

L0000555 , L0000556 , L0000557 , L0000558 , L0000559 ,
L0000560 , L0000561 , L0000562 ,

L0000563 , L0000564 , L0000565 , L0000566 , L0000567 ,
L0000568 , L0000569 , L0000570 ,

L0000571 , L0000572 , L0000573 , L0000574 , L0000575 ,
L0000576 , L0000577 , L0000578 ,

L0000579 , L0000580 , L0000581 , L0000582 , L0000583 ,
L0000584 , L0000585 , L0000586 ,

L0000587 , L0000588 , L0000589 , L0000590 , L0000591 ,
L0000592 , L0000593 , L0000594 ,

L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 , L0000602 ,

L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 , L0000610 ,

L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 , L0000618 ,

L0000619 , L0000620 , L0000621 , L0000622 , L0000623 ,
L0000624 , L0000625 , L0000626 ,

L0000627 , L0000628 , L0000629 , L0000630 , L0000631 ,
L0000632 , L0000633 , L0000634 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0000667 , L0000668 , L0000669 , L0000670 , L0000671 ,
L0000672 , L0000673 , L0000674 ,

L0000675 , L0000676 , L0000677 , L0000678 , L0000679 ,
L0000680 , L0000681 , L0000682 ,

L0000683 , L0000684 , L0000685 , L0000686 , L0000687 ,
L0000688 , L0000689 , L0000690 ,

L0000691 , L0000692 , L0000693 , L0000694 , L0000695 ,
L0000696 , L0000697 , L0000698 ,

L0000699 , L0000700 , L0000701 , L0000702 , L0000703 ,
L0000704 , L0000705 , L0000706 ,

L0000707 , L0000708 , L0000709 , L0000710 , L0000711 ,
L0000712 , L0000713 , L0000714 ,

L0000715 , L0000716 , L0000717 , L0000718 , L0000719 ,
L0000720 , L0000721 , L0000722 ,

L0000723 , L0000724 , L0000725 , L0000726 , L0000727 ,

```
L0000728    , L0000729    , L0000730    ,

             L0000731    , L0000732    , L0000733    , L0000734    , L0000735    ,
L0000736    , L0000737    , L0000738    ,

             L0000739    , L0000740    , L0000741    , L0000742    , L0000743    ,
L0000744    , L0000745    , L0000746    ,

             L0000747    , L0000748    , L0000749    , L0000750    , L0000751    ,
L0000752    , L0000753    , L0000754    ,

             L0000755    , L0000756    , L0000757    , L0000758    , L0000759    ,
L0000760    , L0000761    , L0000762    ,

             L0000763    , L0000764    , L0000765    , L0000766    , L0000767    ,
L0000768    , L0000769    , L0000770    ,

             L0000771    , L0000772    , L0000773    , L0000774    , L0000775    ,
L0000776    , L0000777    , L0000778    ,

             L0000779    , L0000780    , L0000781    , L0000782    , L0000783    ,
L0000784    , L0000785    , L0000786    ,

             L0000787    , L0000788    , L0000789    , L0000790    ,
```



```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000507     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000508   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000509 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000510 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000511     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000512     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000513     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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```
 SOURCE ID = L0000514     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000515     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000516     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000517   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000518     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000519     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000520   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000521     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
WEEK (HRDOW) *

 SOURCE ID = L0000522     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000523     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000524     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000525     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000526 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000527 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000528     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000529   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000530 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000531 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000532     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000533     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000534 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000535 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000536   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                   PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000537     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000538 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

↟ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 09/02/22
*** AERMET - VERSION 16216 *** *** 09:10:32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000539 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000540     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000541     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000542   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000543   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000544 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000545     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000546 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000547 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000548     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000549     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000550   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000551   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000552 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000553     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000554   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000555   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        09:10:32

                                    PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000556     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000557   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000558 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000559 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000560     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000561     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000562     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000563     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000564     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000565     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000566   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000567     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000568     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000569   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000570   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

```
WEEK (HRDOW) *

 SOURCE ID = L0000571     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000572     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000573     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000574     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000575     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000576     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
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```
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000577     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000578   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

SOURCE ID = L0000579 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000580 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000581     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000582     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000583     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000584     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000585   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                   PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000586     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000587 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000588 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                   PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000589     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000590   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000591   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000592   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000593 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000594     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000595 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000596 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000597 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000598     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000599   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000600   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

 -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000601 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000602     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000603   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000604   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000605 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000606   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000607 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000608 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000609     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000610     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000611     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000612     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000613     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
1 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000614     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000615   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000616     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000617     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000618   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000619     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW) *

 SOURCE ID = L0000620     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000621     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000622   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000623     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000624 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000625 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

```
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000626     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000627   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000628 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000629 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000630     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000631     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000632 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000633 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000634   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000635   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000636 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 09/02/22
*** AERMET - VERSION 16216 *** *** *** 09:10:32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000637 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                   PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000638     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000639   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                          DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01

    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000640 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 09/02/22
*** AERMET - VERSION 16216 *** ***
*** 09:10:32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000641 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000642 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000643     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000644 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000645 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000646 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000647   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -
DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000648     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000649     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000650 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000651     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000652   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000653   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000654 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000655   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000656 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000657 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000658     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000659 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00						

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22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000660     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000661     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000662     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000663     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000664 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000665     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000666     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000668     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
WEEK (HRDOW) *

 SOURCE ID = L0000669     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000670     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 179
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000672     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE 182
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000675     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000676   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

SOURCE ID = L0000677 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000678 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000679     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000680     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000681 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000682 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000683   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000684   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000685 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 09/02/22
*** AERMET - VERSION 16216 *** *** *** 09:10:32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000686 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000687     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000688     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000689 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000690 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

```
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000691     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000692     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000693 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000694 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000695     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 203
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000696     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
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 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 204
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000697     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 205
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000698     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000699 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000700     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
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SP_Const\Artesia Blvd SP_Const.isc ***   09/02/22
 *** AERMET - VERSION 16216 ***   ***
                        ***   09:10:32

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000701   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
↑ *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc ***   09/02/22
 *** AERMET - VERSION 16216 ***   ***
                        ***   09:10:32

                                  PAGE 209
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000702   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000703 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000704   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000705 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000706 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000707     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000708     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 216
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000709     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000710     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000711     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000712     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000713 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000714     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 222
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000715     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000716   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000717     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000718   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000719   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000720     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 228
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000721     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 229
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000724     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000725   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

SOURCE ID = L0000726 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000727 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000728     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 236
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000729     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000730 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000731 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

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6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000732     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000733   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000734 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

↟ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 09/02/22
*** AERMET - VERSION 16216 *** *** *** 09:10:32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000735 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 243
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000736     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000737 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000738 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000739 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

```
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 247
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000740     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000741     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000742 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000743 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 251
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000744     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000745     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
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 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000746     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 254
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000747     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000748 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000749     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
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SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000750     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 258
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000751     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000752 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000753   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000754 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000755 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 263
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000756     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000757     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000758     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 266
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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```
 SOURCE ID = L0000759     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE 267
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000760     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000761 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000762 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000763     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000764     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000765   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000766     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                 PAGE 274
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
WEEK (HRDOW) *

 SOURCE ID = L0000767     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000768     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000769   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000770     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000771 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000772 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000773   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000774   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000775 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000776 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 284
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000777     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 285
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000778     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000779 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000780 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000781   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000782     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000783 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 09/02/22
*** AERMET - VERSION 16216 *** *** *** 09:10:32

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000784 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000785     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000786   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000787   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000788   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 297
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000790     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399370.3, 3748667.1, 18.5, 18.5, 0.0); (399405.3, 3748667.1, 18.5, 18.5, 0.0);
(399440.3, 3748667.1, 18.3, 18.3, 0.0); (399614.5, 3748666.4, 18.1, 18.1, 0.0);
(399370.3, 3748702.1, 18.5, 18.5, 0.0); (399405.3, 3748702.1, 18.4, 18.4, 0.0);
(399440.3, 3748702.1, 18.4, 18.4, 0.0); (399614.5, 3748701.4, 18.0, 18.0, 0.0);
(399370.3, 3748737.1, 18.5, 18.5, 0.0); (399405.3, 3748737.1, 18.6, 18.6, 0.0);
(399440.3, 3748737.1, 18.3, 18.3, 0.0); (399614.5, 3748736.4, 18.0, 18.0, 0.0);
(399370.3, 3748772.1, 18.6, 18.6, 0.0); (399405.3, 3748772.1, 18.6, 18.6, 0.0);
(399440.3, 3748772.1, 18.3, 18.3, 0.0); (399614.5, 3748771.4, 18.2, 18.2, 0.0);
(399370.3, 3748807.1, 18.7, 18.7, 0.0); (399405.3, 3748807.1, 18.5, 18.5, 0.0);
(399440.3, 3748807.1, 18.3, 18.3, 0.0); (399614.5, 3748806.4, 18.1, 18.1, 0.0);
(399370.3, 3748842.1, 18.7, 18.7, 0.0); (399405.3, 3748842.1, 18.6, 18.6, 0.0);
(399440.3, 3748842.1, 18.5, 18.5, 0.0); (399370.3, 3748877.1, 18.8, 18.8, 0.0);
(399405.3, 3748877.1, 18.6, 18.6, 0.0); (399440.3, 3748877.1, 18.4, 18.4, 0.0);
(399418.0, 3749014.6, 19.5, 19.5, 0.0); (399441.0, 3749014.6, 19.5, 19.5, 0.0);
(399418.0, 3749049.6, 18.8, 18.8, 0.0); (399441.0, 3749049.6, 18.7, 18.7, 0.0);
(399464.0, 3749049.6, 18.7, 18.7, 0.0); (399487.0, 3749049.6, 18.6, 18.6, 0.0);
(399510.0, 3749049.6, 18.6, 18.6, 0.0); (399533.0, 3749049.6, 18.5, 18.5, 0.0);
(399556.0, 3749049.6, 18.4, 18.4, 0.0); (399579.0, 3749049.6, 18.4, 18.4, 0.0);
(399602.0, 3749049.6, 18.5, 18.5, 0.0); (399625.0, 3749049.6, 18.7, 18.7, 0.0);
(399648.0, 3749049.6, 19.0, 19.0, 0.0); (399671.0, 3749049.6, 19.1, 19.1, 0.0);

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     ( 399694.0, 3749049.6,      19.2,      19.2,       0.0);         ( 399717.0,
3749049.6,      19.2,      19.2,       0.0);
     ( 399740.0, 3749049.6,      19.2,      19.2,       0.0);         ( 399763.0,
3749049.6,      19.3,      25.2,       0.0);
     ( 399786.0, 3749049.6,      19.3,      25.6,       0.0);         ( 399809.0,
3749049.6,      19.4,      25.9,       0.0);
     ( 399832.0, 3749049.6,      19.5,      26.2,       0.0);         ( 399855.0,
3749049.6,      19.7,      26.3,       0.0);
     ( 399878.0, 3749049.6,      19.8,      26.3,       0.0);         ( 399303.0,
3749084.6,      19.1,      19.1,       0.0);
     ( 399326.0, 3749084.6,      18.9,      18.9,       0.0);         ( 399349.0,
3749084.6,      18.7,      18.7,       0.0);
     ( 399372.0, 3749084.6,      18.6,      18.6,       0.0);         ( 399395.0,
3749084.6,      18.7,      18.7,       0.0);
     ( 399418.0, 3749084.6,      19.2,      19.2,       0.0);         ( 399441.0,
3749084.6,      19.1,      19.1,       0.0);
     ( 399464.0, 3749084.6,      19.1,      19.1,       0.0);         ( 399487.0,
3749084.6,      19.2,      19.2,       0.0);
     ( 399510.0, 3749084.6,      19.1,      19.1,       0.0);         ( 399533.0,
3749084.6,      19.0,      19.0,       0.0);
     ( 399556.0, 3749084.6,      19.0,      19.0,       0.0);         ( 399579.0,
3749084.6,      18.8,      18.8,       0.0);
     ( 399625.0, 3749084.6,      18.7,      18.7,       0.0);         ( 399648.0,
3749084.6,      18.9,      18.9,       0.0);
     ( 399671.0, 3749084.6,      18.9,      18.9,       0.0);         ( 399694.0,
3749084.6,      18.9,      18.9,       0.0);
     ( 399717.0, 3749084.6,      19.0,      19.0,       0.0);         ( 399740.0,
3749084.6,      19.2,      19.2,       0.0);
     ( 399763.0, 3749084.6,      19.4,      19.4,       0.0);         ( 399786.0,
3749084.6,      19.4,      19.4,       0.0);
     ( 399809.0, 3749084.6,      19.5,      19.5,       0.0);         ( 399832.0,
3749084.6,      19.7,      19.7,       0.0);
     ( 399855.0, 3749084.6,      19.7,      19.7,       0.0);         ( 399878.0,
3749084.6,      19.7,      19.7,       0.0);
     ( 400085.0, 3749084.6,      18.7,      18.7,       0.0);         ( 399303.0,
3749119.6,      19.3,      19.3,       0.0);
     ( 399326.0, 3749119.6,      19.4,      19.4,       0.0);         ( 399349.0,
3749119.6,      19.4,      19.4,       0.0);
     ( 399372.0, 3749119.6,      19.2,      19.2,       0.0);         ( 399395.0,
3749119.6,      18.9,      18.9,       0.0);
     ( 399418.0, 3749119.6,      18.8,      18.8,       0.0);         ( 399441.0,
3749119.6,      19.0,      19.0,       0.0);
     ( 399464.0, 3749119.6,      19.2,      19.2,       0.0);         ( 399487.0,
3749119.6,      19.1,      19.1,       0.0);
     ( 399510.0, 3749119.6,      19.0,      19.0,       0.0);         ( 399533.0,
3749119.6,      19.0,      19.0,       0.0);
     ( 399556.0, 3749119.6,      19.0,      19.0,       0.0);         ( 399579.0,
3749119.6,      18.9,      18.9,       0.0);
     ( 399625.0, 3749119.6,      18.8,      18.8,       0.0);         ( 399648.0,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

    (399671.0, 3749119.6,   19.2,   19.2,   0.0);   (399694.0, 3749119.6,   19.2,   19.2,   0.0);
    (399717.0, 3749119.6,   19.3,   19.3,   0.0);   (399740.0, 3749119.6,   19.5,   19.5,   0.0);
    (399763.0, 3749119.6,   19.7,   19.7,   0.0);   (399786.0, 3749119.6,   19.8,   19.8,   0.0);
    (399809.0, 3749119.6,   19.8,   19.8,   0.0);   (399832.0, 3749119.6,   19.9,   19.9,   0.0);
    (399855.0, 3749119.6,   19.9,   19.9,   0.0);   (399878.0, 3749119.6,   19.8,   19.8,   0.0);
    (400039.0, 3749119.6,   19.1,   19.1,   0.0);   (400062.0, 3749119.6,   19.1,   19.1,   0.0);
    (400085.0, 3749119.6,   18.9,   18.9,   0.0);   (399303.0, 3749154.6,   19.5,   19.5,   0.0);
    (399326.0, 3749154.6,   19.6,   19.6,   0.0);   (399349.0, 3749154.6,   19.5,   19.5,   0.0);
    (399372.0, 3749154.6,   19.3,   19.3,   0.0);   (399395.0, 3749154.6,   19.1,   19.1,   0.0);
    (399418.0, 3749154.6,   19.2,   19.2,   0.0);   (399441.0, 3749154.6,   19.2,   19.2,   0.0);
    (399464.0, 3749154.6,   19.2,   19.2,   0.0);   (399487.0, 3749154.6,   19.3,   19.3,   0.0);
    (399510.0, 3749154.6,   19.2,   19.2,   0.0);   (399533.0, 3749154.6,   19.1,   19.1,   0.0);
    (399556.0, 3749154.6,   19.1,   19.1,   0.0);   (399579.0, 3749154.6,   18.8,   18.8,   0.0);
    (399625.0, 3749154.6,   18.5,   18.5,   0.0);   (399648.0, 3749154.6,   18.6,   18.6,   0.0);
    (399671.0, 3749154.6,   18.7,   18.7,   0.0);   (399694.0, 3749154.6,   18.7,   18.7,   0.0);
    (399717.0, 3749154.6,   19.0,   19.0,   0.0);   (399740.0, 3749154.6,   19.1,   19.1,   0.0);
    (399763.0, 3749154.6,   19.3,   19.3,   0.0);   (399786.0, 3749154.6,   19.5,   19.5,   0.0);
    (399809.0, 3749154.6,   19.6,   19.6,   0.0);   (399832.0, 3749154.6,   19.7,   19.7,   0.0);

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     ( 399855.0, 3749154.6,      19.8,      19.8,       0.0);         ( 399878.0,
3749154.6,      19.9,      19.9,       0.0);
     ( 399924.0, 3749154.6,      19.7,      19.7,       0.0);         ( 399947.0,
3749154.6,      19.6,      19.6,       0.0);
     ( 399970.0, 3749154.6,      19.2,      19.2,       0.0);         ( 399993.0,
3749154.6,      19.0,      19.0,       0.0);
     ( 400016.0, 3749154.6,      19.0,      19.0,       0.0);         ( 400039.0,
3749154.6,      18.9,      18.9,       0.0);
     ( 400062.0, 3749154.6,      18.9,      18.9,       0.0);         ( 400085.0,
3749154.6,      18.9,      18.9,       0.0);
     ( 399303.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399326.0,
3749189.6,      19.7,      19.7,       0.0);
     ( 399349.0, 3749189.6,      19.6,      19.6,       0.0);         ( 399372.0,
3749189.6,      19.5,      19.5,       0.0);
     ( 399395.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399418.0,
3749189.6,      19.4,      19.4,       0.0);
     ( 399441.0, 3749189.6,      19.4,      19.4,       0.0);         ( 399464.0,
3749189.6,      19.5,      19.5,       0.0);
     ( 399487.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399510.0,
3749189.6,      19.8,      19.8,       0.0);
     ( 399533.0, 3749189.6,      19.8,      19.8,       0.0);         ( 399556.0,
3749189.6,      19.6,      19.6,       0.0);
     ( 399579.0, 3749189.6,      19.1,      19.1,       0.0);         ( 399625.0,
3749189.6,      19.1,      19.1,       0.0);
     ( 399648.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399671.0,
3749189.6,      19.2,      19.2,       0.0);
     ( 399694.0, 3749189.6,      19.3,      19.3,       0.0);         ( 399717.0,
3749189.6,      19.5,      19.5,       0.0);
     ( 399740.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399763.0,
3749189.6,      19.4,      19.4,       0.0);
     ( 399786.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399809.0,
3749189.6,      19.8,      19.8,       0.0);
     ( 399832.0, 3749189.6,      19.8,      19.8,       0.0);         ( 399855.0,
3749189.6,      20.0,      20.0,       0.0);
     ( 399878.0, 3749189.6,      20.0,      20.0,       0.0);         ( 400016.0,
3749189.6,      19.0,      19.0,       0.0);
     ( 400039.0, 3749189.6,      19.0,      19.0,       0.0);         ( 400062.0,
3749189.6,      18.9,      18.9,       0.0);
     ( 400085.0, 3749189.6,      18.9,      18.9,       0.0);         ( 399303.0,
3749224.6,      19.9,      19.9,       0.0);
     ( 399326.0, 3749224.6,      19.7,      19.7,       0.0);         ( 399349.0,
3749224.6,      19.6,      19.6,       0.0);
     ( 399372.0, 3749224.6,      19.5,      19.5,       0.0);         ( 399395.0,
3749224.6,      19.3,      19.3,       0.0);
     ( 399418.0, 3749224.6,      19.4,      19.4,       0.0);         ( 399441.0,
3749224.6,      19.5,      19.5,       0.0);
     ( 399464.0, 3749224.6,      19.6,      19.6,       0.0);         ( 399487.0,
3749224.6,      19.7,      19.7,       0.0);
     ( 399510.0, 3749224.6,      19.9,      19.9,       0.0);         ( 399533.0,
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3749224.6,   20.1,   20.1,   0.0);
     (399556.0, 3749224.6,   20.1,   20.1,   0.0);   (399579.0,
3749224.6,   19.5,   19.5,   0.0);
     (399625.0, 3749224.6,   19.1,   19.1,   0.0);   (399648.0,
3749224.6,   19.2,   19.2,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (399671.0, 3749224.6,   19.3,   19.3,   0.0);   (399694.0,
3749224.6,   19.5,   19.5,   0.0);
     (399717.0, 3749224.6,   19.8,   19.8,   0.0);   (399740.0,
3749224.6,   19.7,   19.7,   0.0);
     (399763.0, 3749224.6,   19.8,   19.8,   0.0);   (399786.0,
3749224.6,   19.9,   19.9,   0.0);
     (399809.0, 3749224.6,   19.9,   19.9,   0.0);   (399832.0,
3749224.6,   20.0,   20.0,   0.0);
     (399855.0, 3749224.6,   20.1,   20.1,   0.0);   (399878.0,
3749224.6,   20.0,   20.0,   0.0);
     (400016.0, 3749224.6,   19.2,   19.2,   0.0);   (400039.0,
3749224.6,   19.2,   19.2,   0.0);
     (400062.0, 3749224.6,   19.2,   19.2,   0.0);   (400085.0,
3749224.6,   19.2,   19.2,   0.0);
     (400112.3, 3748645.8,   17.9,   17.9,   0.0);   (400147.3,
3748645.8,   18.2,   18.2,   0.0);
     (400182.3, 3748645.8,   18.2,   18.2,   0.0);   (400217.3,
3748645.8,   18.2,   18.2,   0.0);
     (400252.3, 3748645.8,   18.0,   18.0,   0.0);   (400287.3,
3748645.8,   17.6,   17.6,   0.0);
     (400322.3, 3748645.8,   18.1,   18.1,   0.0);   (400357.3,
3748645.8,   17.5,   17.5,   0.0);
     (400392.3, 3748645.8,   17.7,   17.7,   0.0);   (400112.3,
3748680.8,   18.2,   18.2,   0.0);
     (400147.3, 3748680.8,   18.4,   18.4,   0.0);   (400182.3,
3748680.8,   18.0,   18.0,   0.0);
     (400217.3, 3748680.8,   18.1,   18.1,   0.0);   (400252.3,
3748680.8,   18.1,   18.1,   0.0);
     (400287.3, 3748680.8,   17.7,   17.7,   0.0);   (400322.3,
3748680.8,   18.1,   18.1,   0.0);
     (400357.3, 3748680.8,   17.5,   17.5,   0.0);   (400392.3,
3748680.8,   17.9,   17.9,   0.0);

```
     ( 400112.3, 3748715.8,      18.3,      18.3,       0.0);         ( 400147.3,
3748715.8,      18.4,      18.4,       0.0);
     ( 400182.3, 3748715.8,      18.1,      18.1,       0.0);         ( 400217.3,
3748715.8,      18.5,      18.5,       0.0);
     ( 400252.3, 3748715.8,      18.4,      18.4,       0.0);         ( 400287.3,
3748715.8,      17.8,      17.8,       0.0);
     ( 400322.3, 3748715.8,      18.2,      18.2,       0.0);         ( 400357.3,
3748715.8,      17.6,      17.6,       0.0);
     ( 400392.3, 3748715.8,      18.1,      18.1,       0.0);         ( 400112.3,
3748750.8,      18.4,      18.4,       0.0);
     ( 400147.3, 3748750.8,      18.7,      18.7,       0.0);         ( 400182.3,
3748750.8,      18.2,      18.2,       0.0);
     ( 400217.3, 3748750.8,      18.4,      18.4,       0.0);         ( 400252.3,
3748750.8,      18.3,      18.3,       0.0);
     ( 400287.3, 3748750.8,      18.0,      18.0,       0.0);         ( 400322.3,
3748750.8,      18.2,      18.2,       0.0);
     ( 400357.3, 3748750.8,      17.8,      17.8,       0.0);         ( 400392.3,
3748750.8,      18.1,      18.1,       0.0);
     ( 400112.3, 3748785.8,      18.5,      18.5,       0.0);         ( 400147.3,
3748785.8,      18.5,      18.5,       0.0);
     ( 400182.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400217.3,
3748785.8,      18.3,      18.3,       0.0);
     ( 400252.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400287.3,
3748785.8,      18.6,      18.6,       0.0);
     ( 400322.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400357.3,
3748785.8,      18.0,      18.0,       0.0);
     ( 400392.3, 3748785.8,      17.8,      17.8,       0.0);         ( 400112.3,
3748820.8,      18.6,      18.6,       0.0);
     ( 400147.3, 3748820.8,      18.6,      18.6,       0.0);         ( 400182.3,
3748820.8,      18.5,      18.5,       0.0);
     ( 400217.3, 3748820.8,      18.5,      18.5,       0.0);         ( 400252.3,
3748820.8,      18.7,      18.7,       0.0);
     ( 400287.3, 3748820.8,      18.7,      18.7,       0.0);         ( 400322.3,
3748820.8,      18.6,      18.6,       0.0);
     ( 400357.3, 3748820.8,      18.1,      18.1,       0.0);         ( 400392.3,
3748820.8,      17.8,      17.8,       0.0);
     ( 400112.3, 3748855.8,      18.7,      18.7,       0.0);         ( 400147.3,
3748855.8,      18.7,      18.7,       0.0);
     ( 400182.3, 3748855.8,      18.6,      18.6,       0.0);         ( 400217.3,
3748855.8,      18.6,      18.6,       0.0);
     ( 400252.3, 3748855.8,      18.7,      18.7,       0.0);         ( 400287.3,
3748855.8,      18.7,      18.7,       0.0);
     ( 400322.3, 3748855.8,      18.5,      18.5,       0.0);         ( 400357.3,
3748855.8,      18.2,      18.2,       0.0);
     ( 400392.3, 3748855.8,      17.9,      17.9,       0.0);         ( 400112.3,
3748890.8,      18.8,      18.8,       0.0);
     ( 400147.3, 3748890.8,      18.8,      18.8,       0.0);         ( 400182.3,
3748890.8,      18.8,      18.8,       0.0);
     ( 400217.3, 3748890.8,      18.7,      18.7,       0.0);         ( 400252.3,
```

3748890.8,   18.6,   18.6,   0.0);
     (400287.3, 3748890.8,   18.5,   18.5,   0.0);   (400322.3,
3748890.8,   18.4,   18.4,   0.0);
     (400357.3, 3748890.8,   18.1,   18.1,   0.0);   (400392.3,
3748890.8,   18.0,   18.0,   0.0);
     (400112.3, 3748925.8,   18.9,   24.1,   0.0);   (400147.3,
3748925.8,   18.9,   22.7,   0.0);
     (400182.3, 3748925.8,   18.9,   18.9,   0.0);   (400217.3,
3748925.8,   18.8,   18.8,   0.0);

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     (400252.3, 3748925.8,   18.8,   18.8,   0.0);   (400287.3,
3748925.8,   18.6,   18.6,   0.0);
     (400322.3, 3748925.8,   18.6,   18.6,   0.0);   (400357.3,
3748925.8,   18.4,   18.4,   0.0);
     (400392.3, 3748925.8,   18.5,   18.5,   0.0);   (399468.0,
3748222.3,   17.4,   17.4,   0.0);
     (399503.0, 3748222.3,   17.4,   17.4,   0.0);   (399538.0,
3748222.3,   17.5,   17.5,   0.0);
     (399573.0, 3748222.3,   17.4,   17.4,   0.0);   (399608.0,
3748222.3,   17.3,   17.3,   0.0);
     (399643.0, 3748222.3,   17.3,   17.3,   0.0);   (399678.0,
3748222.3,   17.0,   17.0,   0.0);
     (399713.0, 3748222.3,   17.1,   17.1,   0.0);   (399748.0,
3748222.3,   17.2,   17.2,   0.0);
     (399783.0, 3748222.3,   17.4,   17.4,   0.0);   (399818.0,
3748222.3,   17.9,   17.9,   0.0);
     (399853.0, 3748222.3,   17.8,   17.8,   0.0);   (399888.0,
3748222.3,   17.1,   17.1,   0.0);
     (399923.0, 3748222.3,   17.2,   17.2,   0.0);   (399958.0,
3748222.3,   17.3,   17.3,   0.0);
     (399993.0, 3748222.3,   17.4,   17.4,   0.0);   (400028.0,
3748222.3,   17.5,   17.5,   0.0);
     (400063.0, 3748222.3,   17.3,   17.3,   0.0);   (400098.0,
3748222.3,   17.3,   17.3,   0.0);
     (400133.0, 3748222.3,   17.1,   17.1,   0.0);   (400168.0,
3748222.3,   17.0,   17.0,   0.0);
     (399468.0, 3748257.3,   17.5,   17.5,   0.0);   (399503.0,
3748257.3,   17.6,   17.6,   0.0);

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     ( 399538.0, 3748257.3,      17.7,      17.7,       0.0);         ( 399573.0,
3748257.3,      17.5,      17.5,       0.0);
     ( 399608.0, 3748257.3,      17.4,      17.4,       0.0);         ( 399643.0,
3748257.3,      17.4,      17.4,       0.0);
     ( 399678.0, 3748257.3,      17.2,      17.2,       0.0);         ( 399713.0,
3748257.3,      17.2,      17.2,       0.0);
     ( 399748.0, 3748257.3,      17.2,      17.2,       0.0);         ( 399783.0,
3748257.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748257.3,      17.4,      17.4,       0.0);         ( 399853.0,
3748257.3,      17.8,      17.8,       0.0);
     ( 399888.0, 3748257.3,      17.2,      17.2,       0.0);         ( 399923.0,
3748257.3,      17.2,      17.2,       0.0);
     ( 399958.0, 3748257.3,      17.3,      17.3,       0.0);         ( 399993.0,
3748257.3,      17.6,      17.6,       0.0);
     ( 400028.0, 3748257.3,      17.9,      17.9,       0.0);         ( 400063.0,
3748257.3,      17.5,      17.5,       0.0);
     ( 400098.0, 3748257.3,      17.6,      17.6,       0.0);         ( 400133.0,
3748257.3,      17.2,      17.2,       0.0);
     ( 400168.0, 3748257.3,      17.0,      17.0,       0.0);         ( 399468.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399503.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399538.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399573.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399608.0,
3748292.3,      17.4,      17.4,       0.0);
     ( 399643.0, 3748292.3,      17.5,      17.5,       0.0);         ( 399678.0,
3748292.3,      17.3,      17.3,       0.0);
     ( 399713.0, 3748292.3,      17.1,      17.1,       0.0);         ( 399748.0,
3748292.3,      17.3,      17.3,       0.0);
     ( 399783.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399818.0,
3748292.3,      17.7,      17.7,       0.0);
     ( 399853.0, 3748292.3,      17.7,      17.7,       0.0);         ( 399888.0,
3748292.3,      17.2,      17.2,       0.0);
     ( 399923.0, 3748292.3,      17.2,      17.2,       0.0);         ( 399958.0,
3748292.3,      17.4,      17.4,       0.0);
     ( 399993.0, 3748292.3,      17.8,      17.8,       0.0);         ( 400028.0,
3748292.3,      18.1,      18.1,       0.0);
     ( 400063.0, 3748292.3,      17.7,      17.7,       0.0);         ( 400098.0,
3748292.3,      17.7,      17.7,       0.0);
     ( 400133.0, 3748292.3,      17.3,      17.3,       0.0);         ( 400168.0,
3748292.3,      17.0,      17.0,       0.0);
     ( 399468.0, 3748327.3,      17.7,      17.7,       0.0);         ( 399503.0,
3748327.3,      17.6,      17.6,       0.0);
     ( 399538.0, 3748327.3,      17.6,      17.6,       0.0);         ( 399573.0,
3748327.3,      17.6,      17.6,       0.0);
     ( 399608.0, 3748327.3,      17.4,      17.4,       0.0);         ( 399643.0,
3748327.3,      17.5,      17.5,       0.0);
     ( 399678.0, 3748327.3,      17.5,      17.5,       0.0);         ( 399713.0,
3748327.3,      17.2,      17.2,       0.0);
     ( 399748.0, 3748327.3,      17.4,      17.4,       0.0);         ( 399783.0,
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3748327.3,   17.5,   17.5,   0.0);
     (399818.0, 3748327.3,   17.7,   17.7,   0.0);   (399853.0,
3748327.3,   17.8,   17.8,   0.0);
     (399888.0, 3748327.3,   17.3,   17.3,   0.0);   (399923.0,
3748327.3,   17.3,   17.3,   0.0);
     (399958.0, 3748327.3,   17.4,   17.4,   0.0);   (399993.0,
3748327.3,   17.6,   17.6,   0.0);
     (400028.0, 3748327.3,   17.7,   17.7,   0.0);   (400063.0,
3748327.3,   17.7,   17.7,   0.0);
     (400098.0, 3748327.3,   17.8,   17.8,   0.0);   (400133.0,
3748327.3,   17.4,   17.4,   0.0);
     (400168.0, 3748327.3,   17.2,   17.2,   0.0);   (399468.0,
3748362.3,   17.7,   17.7,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (399503.0, 3748362.3,   17.7,   17.7,   0.0);   (399538.0,
3748362.3,   17.5,   17.5,   0.0);
     (399573.0, 3748362.3,   17.6,   17.6,   0.0);   (399608.0,
3748362.3,   17.4,   17.4,   0.0);
     (399643.0, 3748362.3,   17.5,   17.5,   0.0);   (399678.0,
3748362.3,   17.7,   17.7,   0.0);
     (399713.0, 3748362.3,   17.2,   17.2,   0.0);   (399748.0,
3748362.3,   17.4,   17.4,   0.0);
     (399783.0, 3748362.3,   17.5,   17.5,   0.0);   (399818.0,
3748362.3,   17.7,   17.7,   0.0);
     (399853.0, 3748362.3,   17.8,   17.8,   0.0);   (399888.0,
3748362.3,   17.4,   17.4,   0.0);
     (399923.0, 3748362.3,   17.2,   17.2,   0.0);   (399958.0,
3748362.3,   17.4,   17.4,   0.0);
     (399993.0, 3748362.3,   17.5,   17.5,   0.0);   (400028.0,
3748362.3,   17.5,   17.5,   0.0);
     (400063.0, 3748362.3,   17.6,   17.6,   0.0);   (400098.0,
3748362.3,   17.6,   17.6,   0.0);
     (400133.0, 3748362.3,   17.6,   17.6,   0.0);   (400168.0,
3748362.3,   17.1,   17.1,   0.0);
     (399468.0, 3748397.3,   17.9,   17.9,   0.0);   (399503.0,
3748397.3,   17.8,   17.8,   0.0);
     (399538.0, 3748397.3,   17.7,   17.7,   0.0);   (399573.0,
3748397.3,   17.8,   17.8,   0.0);

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     ( 399608.0, 3748397.3,      17.6,      17.6,       0.0);         ( 399643.0,
3748397.3,      17.4,      17.4,       0.0);
     ( 399678.0, 3748397.3,      17.6,      17.6,       0.0);         ( 399713.0,
3748397.3,      17.3,      17.3,       0.0);
     ( 399748.0, 3748397.3,      17.4,      17.4,       0.0);         ( 399783.0,
3748397.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748397.3,      17.5,      17.5,       0.0);         ( 399853.0,
3748397.3,      17.6,      17.6,       0.0);
     ( 399888.0, 3748397.3,      17.4,      17.4,       0.0);         ( 399923.0,
3748397.3,      17.4,      17.4,       0.0);
     ( 399958.0, 3748397.3,      17.4,      17.4,       0.0);         ( 399993.0,
3748397.3,      17.6,      17.6,       0.0);
     ( 400028.0, 3748397.3,      17.7,      17.7,       0.0);         ( 400063.0,
3748397.3,      18.0,      18.0,       0.0);
     ( 400098.0, 3748397.3,      17.9,      17.9,       0.0);         ( 400133.0,
3748397.3,      17.9,      17.9,       0.0);
     ( 400168.0, 3748397.3,      17.9,      17.9,       0.0);         ( 399468.0,
3748432.3,      18.0,      18.0,       0.0);
     ( 399503.0, 3748432.3,      17.9,      17.9,       0.0);         ( 399538.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399573.0, 3748432.3,      17.8,      17.8,       0.0);         ( 399608.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399643.0, 3748432.3,      17.6,      17.6,       0.0);         ( 399678.0,
3748432.3,      17.8,      17.8,       0.0);
     ( 399713.0, 3748432.3,      17.6,      17.6,       0.0);         ( 399748.0,
3748432.3,      17.5,      17.5,       0.0);
     ( 399783.0, 3748432.3,      17.5,      17.5,       0.0);         ( 399818.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399853.0, 3748432.3,      17.7,      17.7,       0.0);         ( 399888.0,
3748432.3,      17.5,      17.5,       0.0);
     ( 399923.0, 3748432.3,      17.5,      17.5,       0.0);         ( 399958.0,
3748432.3,      18.0,      18.0,       0.0);
     ( 399993.0, 3748432.3,      17.9,      17.9,       0.0);         ( 400028.0,
3748432.3,      17.9,      17.9,       0.0);
     ( 400063.0, 3748432.3,      18.1,      18.1,       0.0);         ( 400098.0,
3748432.3,      18.2,      18.2,       0.0);
     ( 400133.0, 3748432.3,      18.2,      18.2,       0.0);         ( 400168.0,
3748432.3,      18.2,      18.2,       0.0);
     ( 399468.0, 3748467.3,      18.0,      18.0,       0.0);         ( 399503.0,
3748467.3,      17.9,      17.9,       0.0);
     ( 399538.0, 3748467.3,      17.7,      17.7,       0.0);         ( 399573.0,
3748467.3,      17.8,      17.8,       0.0);
     ( 399608.0, 3748467.3,      17.7,      17.7,       0.0);         ( 399643.0,
3748467.3,      17.6,      17.6,       0.0);
     ( 399678.0, 3748467.3,      18.0,      18.0,       0.0);         ( 399713.0,
3748467.3,      17.5,      17.5,       0.0);
     ( 399748.0, 3748467.3,      17.4,      17.4,       0.0);         ( 399783.0,
3748467.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748467.3,      17.6,      17.6,       0.0);         ( 399853.0,
```

```
3748467.3,      17.7,      17.7,       0.0);
     ( 399888.0, 3748467.3,      17.5,      17.5,       0.0);         ( 399923.0,
3748467.3,      18.0,      18.0,       0.0);
     ( 399958.0, 3748467.3,      18.1,      18.1,       0.0);         ( 399993.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400028.0, 3748467.3,      18.0,      18.0,       0.0);         ( 400063.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400098.0, 3748467.3,      18.2,      18.2,       0.0);         ( 400133.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400168.0, 3748467.3,      18.4,      18.4,       0.0);         ( 399468.0,
3748502.3,      18.0,      18.0,       0.0);
     ( 399538.0, 3748502.3,      17.6,      17.6,       0.0);         ( 399573.0,
3748502.3,      17.5,      17.5,       0.0);
     ( 399608.0, 3748502.3,      17.5,      17.5,       0.0);         ( 399643.0,
3748502.3,      17.5,      17.5,       0.0);
     ( 399678.0, 3748502.3,      17.4,      17.4,       0.0);         ( 399713.0,
3748502.3,      17.1,      17.1,       0.0);
♠ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                PAGE 303
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                     (METERS)

     ( 399748.0, 3748502.3,      17.2,      17.2,       0.0);         ( 400063.0,
3748502.3,      18.2,      18.2,       0.0);
     ( 400098.0, 3748502.3,      18.2,      18.2,       0.0);         ( 400133.0,
3748502.3,      18.2,      18.2,       0.0);
     ( 400168.0, 3748502.3,      18.2,      18.2,       0.0);         ( 399468.0,
3748537.3,      18.3,      18.3,       0.0);
     ( 399538.0, 3748537.3,      18.0,      18.0,       0.0);         ( 399573.0,
3748537.3,      17.9,      17.9,       0.0);
     ( 399608.0, 3748537.3,      17.8,      17.8,       0.0);         ( 399643.0,
3748537.3,      17.8,      17.8,       0.0);
     ( 399678.0, 3748537.3,      18.1,      18.1,       0.0);         ( 399713.0,
3748537.3,      17.9,      17.9,       0.0);
     ( 399748.0, 3748537.3,      17.8,      17.8,       0.0);         ( 400063.0,
3748537.3,      18.2,      18.2,       0.0);
     ( 400098.0, 3748537.3,      18.3,      18.3,       0.0);         ( 400133.0,
3748537.3,      18.3,      18.3,       0.0);
     ( 400168.0, 3748537.3,      18.2,      18.2,       0.0);         ( 399468.0,
3748572.3,      18.1,      18.1,       0.0);
     ( 399748.0, 3748572.3,      17.5,      17.5,       0.0);         ( 400063.0,
3748572.3,      18.0,      18.0,       0.0);
```

(400098.0, 3748572.3,   18.0,   18.0,   0.0);   (400133.0,
3748572.3,   18.3,   18.3,   0.0);
(400168.0, 3748572.3,   18.1,   18.1,   0.0);   (399636.5,
3748735.8,   17.8,   17.8,   0.0);
(399636.5, 3748770.8,   17.8,   17.8,   0.0);   (399636.5,
3748805.8,   17.9,   17.9,   0.0);
(399636.5, 3748665.8,   18.0,   18.0,   0.0);   (399636.5,
3748700.8,   17.8,   17.8,   0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54,   3.09,   5.14,   8.23,
10.80,

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 *** AERMET - VERSION  16216 ***   ***
                       ***       09:10:32

                                 PAGE 305
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   KFUL_V9_ADJU\KFUL_v9.SFC
                Met Version:  16216
   Profile file:   KFUL_V9_ADJU\KFUL_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3166                 Upper air station no.:     3190
                  Name: UNKNOWN                                    Name: UNKNOWN

                  Year:   2012                                     Year:   2012

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
 12 01 01   1 01   -4.8  0.098 -9.000 -9.000 -999.   74.     18.0  0.26   2.61
1.00    0.96  322.   10.1  283.8    2.0
 12 01 01   1 02   -1.9  0.072 -9.000 -9.000 -999.   47.     18.0  0.26   2.61
1.00    0.52   13.   10.1  283.1    2.0
 12 01 01   1 03   -3.1  0.083 -9.000 -9.000 -999.   57.     16.3  0.26   2.61
1.00    0.75   73.   10.1  282.0    2.0
 12 01 01   1 04   -4.3  0.094 -9.000 -9.000 -999.   69.     17.3  0.26   2.61
1.00    0.91   98.   10.1  281.4    2.0
 12 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.26   2.61
1.00    0.00    0.   10.1  280.9    2.0
 12 01 01   1 06   -2.1  0.074 -9.000 -9.000 -999.   48.     17.6  0.26   2.61
1.00    0.55   80.   10.1  280.4    2.0
 12 01 01   1 07   -2.8  0.080 -9.000 -9.000 -999.   54.     16.3  0.26   2.61
1.00    0.69  201.   10.1  280.4    2.0
 12 01 01   1 08   -1.5  0.066 -9.000 -9.000 -999.   41.     17.0  0.26   2.61
0.54    0.52   72.   10.1  280.9    2.0
 12 01 01   1 09   37.4 -9.000 -9.000 -9.000   38. -999. -99999.0  0.26   2.61
0.31    0.00    0.   10.1  285.9    2.0
 12 01 01   1 10  109.1  0.151  0.713  0.008  121.  141.     -2.9  0.26   2.61
0.24    0.79  268.   10.1  289.9    2.0
 12 01 01   1 11  160.5  0.148  1.143  0.005  338.  136.     -1.8  0.26   2.61
0.21    0.70  273.   10.1  294.2    2.0
```

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 12 01 01   1 12  186.9  0.156  1.483  0.005  634.  148.     -1.8  0.26   2.61
0.20    0.74  230.   10.1  297.5    2.0
 12 01 01   1 13  187.4  0.210  1.777  0.005 1088.  231.     -4.5  0.26   2.61
0.20    1.20  227.   10.1  300.4    2.0
 12 01 01   1 14  160.3  0.235  1.833  0.005 1395.  274.     -7.4  0.26   2.61
0.21    1.47  233.   10.1  300.9    2.0
 12 01 01   1 15  109.1  0.197  1.662  0.005 1527.  210.     -6.3  0.26   2.61
0.25    1.20  233.   10.1  302.0    2.0
 12 01 01   1 16   33.3  0.243  1.125  0.005 1548.  288.    -39.2  0.26   2.61
0.33    1.91  229.   10.1  298.1    2.0
 12 01 01   1 17   -9.1  0.141 -9.000 -9.000 -999.  132.     28.3  0.26   2.61
0.60    1.37  212.   10.1  294.2    2.0
 12 01 01   1 18   -4.3  0.094 -9.000 -9.000 -999.   69.     17.5  0.26   2.61
1.00    0.91  190.   10.1  292.0    2.0
 12 01 01   1 19   -2.8  0.079 -9.000 -9.000 -999.   54.     16.3  0.26   2.61
1.00    0.70  302.   10.1  289.2    2.0
 12 01 01   1 20   -4.0  0.091 -9.000 -9.000 -999.   65.     17.0  0.26   2.61
1.00    0.87  338.   10.1  288.1    2.0
 12 01 01   1 21   -6.3  0.113 -9.000 -9.000 -999.   91.     20.5  0.26   2.61
1.00    1.11  304.   10.1  287.0    2.0
 12 01 01   1 22   -3.1  0.082 -9.000 -9.000 -999.   57.     16.3  0.26   2.61
1.00    0.75   76.   10.1  285.4    2.0
 12 01 01   1 23   -2.4  0.076 -9.000 -9.000 -999.   50.     16.7  0.26   2.61
1.00    0.62  306.   10.1  284.9    2.0
 12 01 01   1 24   -3.6  0.087 -9.000 -9.000 -999.   62.     16.6  0.26   2.61
1.00    0.82  318.   10.1  283.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  322.    0.96   283.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 306
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
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L0000528 , L0000529 , L0000530 , L0000531 , L0000532
, L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399370.29	3748667.14	0.00408	399405.29	3748667.14	0.00505
399440.29	3748667.14	0.00641	399614.54	3748666.39	0.04782
399370.29	3748702.14	0.00423	399405.29	3748702.14	0.00528
399440.29	3748702.14	0.00675	399614.54	3748701.39	0.05535
399370.29	3748737.14	0.00426	399405.29	3748737.14	0.00532
399440.29	3748737.14	0.00682	399614.54	3748736.39	0.05740
399370.29	3748772.14	0.00415	399405.29	3748772.14	0.00516
399440.29	3748772.14	0.00660	399614.54	3748771.39	0.05385
399370.29	3748807.14	0.00392	399405.29	3748807.14	0.00484
399440.29	3748807.14	0.00613	399614.54	3748806.39	0.04356
399370.29	3748842.14	0.00361	399405.29	3748842.14	0.00441
399440.29	3748842.14	0.00549	399370.29	3748877.14	0.00326
399405.29	3748877.14	0.00393	399440.29	3748877.14	0.00482
399417.99	3749014.56	0.00246	399440.99	3749014.56	0.00269
399417.99	3749049.56	0.00218	399440.99	3749049.56	0.00237
399463.99	3749049.56	0.00258	399486.99	3749049.56	0.00282
399509.99	3749049.56	0.00309	399532.99	3749049.56	0.00339
399555.99	3749049.56	0.00372	399578.99	3749049.56	0.00410

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         399601.99    3749049.56        0.00452                    399624.99
3749049.56        0.00499
         399647.99    3749049.56        0.00553                    399670.99
3749049.56        0.00614
         399693.99    3749049.56        0.00680                    399716.99
3749049.56        0.00748
         399739.99    3749049.56        0.00811                    399762.99
3749049.56        0.00862
         399785.99    3749049.56        0.00897                    399808.99
3749049.56        0.00912
         399831.99    3749049.56        0.00906                    399854.99
3749049.56        0.00880
         399877.99    3749049.56        0.00839                    399302.99
3749084.56        0.00134
         399325.99    3749084.56        0.00144                    399348.99
3749084.56        0.00155
         399371.99    3749084.56        0.00166                    399394.99
3749084.56        0.00179
         399417.99    3749084.56        0.00192                    399440.99
3749084.56        0.00207
         399463.99    3749084.56        0.00224                    399486.99
3749084.56        0.00242
         399509.99    3749084.56        0.00263                    399532.99
3749084.56        0.00285
         399555.99    3749084.56        0.00311                    399578.99
3749084.56        0.00339
         399624.99    3749084.56        0.00407                    399647.99
3749084.56        0.00445
         399670.99    3749084.56        0.00490                    399693.99
3749084.56        0.00537
         399716.99    3749084.56        0.00586                    399739.99
3749084.56        0.00632
         399762.99    3749084.56        0.00674                    399785.99
3749084.56        0.00706
         399808.99    3749084.56        0.00725                    399831.99
3749084.56        0.00732
         399854.99    3749084.56        0.00724                    399877.99
3749084.56        0.00704
         400084.99    3749084.56        0.00339                    399302.99
3749119.56        0.00122
         399325.99    3749119.56        0.00130                    399348.99
3749119.56        0.00139
         399371.99    3749119.56        0.00149                    399394.99
3749119.56        0.00159
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:10:32
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399417.99	3749119.56	0.00171	399440.99	3749119.56	0.00183
399463.99	3749119.56	0.00196	399486.99	3749119.56	0.00211
399509.99	3749119.56	0.00227	399532.99	3749119.56	0.00245
399555.99	3749119.56	0.00264	399578.99	3749119.56	0.00286
399624.99	3749119.56	0.00337	399647.99	3749119.56	0.00365
399670.99	3749119.56	0.00398	399693.99	3749119.56	0.00433
399716.99	3749119.56	0.00469	399739.99	3749119.56	0.00505
399762.99	3749119.56	0.00537	399785.99	3749119.56	0.00565
399808.99	3749119.56	0.00586	399831.99	3749119.56	0.00597
399854.99	3749119.56	0.00599	399877.99	3749119.56	0.00592
400038.99	3749119.56	0.00389	400061.99	3749119.56	0.00356
400084.99	3749119.56	0.00325	399302.99	3749154.56	0.00112
399325.99	3749154.56	0.00118	399348.99		

3749154.56 0.00126
399371.99 3749154.56 0.00134 399394.99
3749154.56 0.00143
399417.99 3749154.56 0.00152 399440.99
3749154.56 0.00162
399463.99 3749154.56 0.00173 399486.99
3749154.56 0.00185
399509.99 3749154.56 0.00198 399532.99
3749154.56 0.00212
399555.99 3749154.56 0.00227 399578.99
3749154.56 0.00245
399624.99 3749154.56 0.00285 399647.99
3749154.56 0.00307
399670.99 3749154.56 0.00332 399693.99
3749154.56 0.00358
399716.99 3749154.56 0.00385 399739.99
3749154.56 0.00413
399762.99 3749154.56 0.00439 399785.99
3749154.56 0.00462
399808.99 3749154.56 0.00480 399831.99
3749154.56 0.00493
399854.99 3749154.56 0.00500 399877.99
3749154.56 0.00499
399923.99 3749154.56 0.00479 399946.99
3749154.56 0.00461
399969.99 3749154.56 0.00439 399992.99
3749154.56 0.00415
400015.99 3749154.56 0.00388 400038.99
3749154.56 0.00361
400061.99 3749154.56 0.00335 400084.99
3749154.56 0.00309
399302.99 3749189.56 0.00102 399325.99
3749189.56 0.00108
399348.99 3749189.56 0.00114 399371.99
3749189.56 0.00121
399394.99 3749189.56 0.00129 399417.99
3749189.56 0.00136
399440.99 3749189.56 0.00145 399463.99
3749189.56 0.00153
399486.99 3749189.56 0.00163 399509.99
3749189.56 0.00173
399532.99 3749189.56 0.00184 399555.99
3749189.56 0.00197
399578.99 3749189.56 0.00211 399624.99
3749189.56 0.00242
399647.99 3749189.56 0.00259 399670.99
3749189.56 0.00278
399693.99 3749189.56 0.00299 399716.99
3749189.56 0.00320

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         399739.99    3749189.56        0.00342                      399762.99
3749189.56        0.00363
         399785.99    3749189.56        0.00382                      399808.99
3749189.56        0.00399
         399831.99    3749189.56        0.00412                      399854.99
3749189.56        0.00420
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
               L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
               L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
               L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399877.99    3749189.56        0.00424                      400015.99
3749189.56        0.00354
         400038.99    3749189.56        0.00334                      400061.99
3749189.56        0.00312
         400084.99    3749189.56        0.00291                      399302.99
3749224.56        0.00094
         399325.99    3749224.56        0.00099                      399348.99
3749224.56        0.00105
         399371.99    3749224.56        0.00110                      399394.99
3749224.56        0.00117
         399417.99    3749224.56        0.00123                      399440.99
3749224.56        0.00130
         399463.99    3749224.56        0.00137                      399486.99
3749224.56        0.00145
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399509.99 3749224.56 0.00153 399532.99
3749224.56 0.00162
399555.99 3749224.56 0.00172 399578.99
3749224.56 0.00183
399624.99 3749224.56 0.00208 399647.99
3749224.56 0.00222
399670.99 3749224.56 0.00237 399693.99
3749224.56 0.00253
399716.99 3749224.56 0.00270 399739.99
3749224.56 0.00287
399762.99 3749224.56 0.00305 399785.99
3749224.56 0.00321
399808.99 3749224.56 0.00335 399831.99
3749224.56 0.00347
399854.99 3749224.56 0.00356 399877.99
3749224.56 0.00362
400015.99 3749224.56 0.00322 400038.99
3749224.56 0.00306
400061.99 3749224.56 0.00290 400084.99
3749224.56 0.00273
400112.30 3748645.81 0.00274 400147.30
3748645.81 0.00233
400182.30 3748645.81 0.00199 400217.30
3748645.81 0.00171
400252.30 3748645.81 0.00149 400287.30
3748645.81 0.00132
400322.30 3748645.81 0.00117 400357.30
3748645.81 0.00105
400392.30 3748645.81 0.00095 400112.30
3748680.81 0.00284
400147.30 3748680.81 0.00239 400182.30
3748680.81 0.00205
400217.30 3748680.81 0.00177 400252.30
3748680.81 0.00154
400287.30 3748680.81 0.00135 400322.30
3748680.81 0.00120
400357.30 3748680.81 0.00107 400392.30
3748680.81 0.00097
400112.30 3748715.81 0.00293 400147.30
3748715.81 0.00246
400182.30 3748715.81 0.00210 400217.30
3748715.81 0.00181
400252.30 3748715.81 0.00157 400287.30
3748715.81 0.00138
400322.30 3748715.81 0.00123 400357.30
3748715.81 0.00109
400392.30 3748715.81 0.00098 400112.30
3748750.81 0.00301
400147.30 3748750.81 0.00251 400182.30

```
3748750.81        0.00214
         400217.30    3748750.81        0.00184                       400252.30
3748750.81        0.00160
         400287.30    3748750.81        0.00141                       400322.30
3748750.81        0.00124
         400357.30    3748750.81        0.00111                       400392.30
3748750.81        0.00100
         400112.30    3748785.81        0.00306                       400147.30
3748785.81        0.00256
         400182.30    3748785.81        0.00217                       400217.30
3748785.81        0.00186
         400252.30    3748785.81        0.00162                       400287.30
3748785.81        0.00142
         400322.30    3748785.81        0.00126                       400357.30
3748785.81        0.00112
         400392.30    3748785.81        0.00101                       400112.30
3748820.81        0.00310
```



```
                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         400147.30    3748820.81        0.00258                       400182.30
3748820.81        0.00219
         400217.30    3748820.81        0.00188                       400252.30
```

```
3748820.81        0.00163
         400287.30    3748820.81        0.00143                    400322.30
3748820.81        0.00126
         400357.30    3748820.81        0.00113                    400392.30
3748820.81        0.00101
         400112.30    3748855.81        0.00312                    400147.30
3748855.81        0.00260
         400182.30    3748855.81        0.00220                    400217.30
3748855.81        0.00189
         400252.30    3748855.81        0.00163                    400287.30
3748855.81        0.00143
         400322.30    3748855.81        0.00127                    400357.30
3748855.81        0.00113
         400392.30    3748855.81        0.00101                    400112.30
3748890.81        0.00314
         400147.30    3748890.81        0.00261                    400182.30
3748890.81        0.00221
         400217.30    3748890.81        0.00189                    400252.30
3748890.81        0.00164
         400287.30    3748890.81        0.00144                    400322.30
3748890.81        0.00127
         400357.30    3748890.81        0.00113                    400392.30
3748890.81        0.00101
         400112.30    3748925.81        0.00315                    400147.30
3748925.81        0.00262
         400182.30    3748925.81        0.00221                    400217.30
3748925.81        0.00189
         400252.30    3748925.81        0.00164                    400287.30
3748925.81        0.00144
         400322.30    3748925.81        0.00127                    400357.30
3748925.81        0.00113
         400392.30    3748925.81        0.00101                    399467.96
3748222.35        0.00109
         399502.96    3748222.35        0.00115                    399537.96
3748222.35        0.00121
         399572.96    3748222.35        0.00126                    399607.96
3748222.35        0.00130
         399642.96    3748222.35        0.00134                    399677.96
3748222.35        0.00136
         399712.96    3748222.35        0.00137                    399747.96
3748222.35        0.00136
         399782.96    3748222.35        0.00134                    399817.96
3748222.35        0.00131
         399852.96    3748222.35        0.00127                    399887.96
3748222.35        0.00122
         399922.96    3748222.35        0.00117                    399957.96
3748222.35        0.00112
         399992.96    3748222.35        0.00106                    400027.96
3748222.35        0.00101
```

```
         400062.96    3748222.35        0.00095                        400097.96
3748222.35        0.00090
         400132.96    3748222.35        0.00085                        400167.96
3748222.35        0.00080
         399467.96    3748257.35        0.00123                        399502.96
3748257.35        0.00131
         399537.96    3748257.35        0.00139                        399572.96
3748257.35        0.00146
         399607.96    3748257.35        0.00152                        399642.96
3748257.35        0.00156
         399677.96    3748257.35        0.00159                        399712.96
3748257.35        0.00160
         399747.96    3748257.35        0.00159                        399782.96
3748257.35        0.00157
         399817.96    3748257.35        0.00152                        399852.96
3748257.35        0.00147
         399887.96    3748257.35        0.00141                        399922.96
3748257.35        0.00134
         399957.96    3748257.35        0.00127                        399992.96
3748257.35        0.00120
         400027.96    3748257.35        0.00113                        400062.96
3748257.35        0.00106
         400097.96    3748257.35        0.00100                        400132.96
3748257.35        0.00094
         400167.96    3748257.35        0.00088                        399467.96
3748292.35        0.00141
         399502.96    3748292.35        0.00151                        399537.96
3748292.35        0.00161
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                   PAGE 310
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399572.96	3748292.35	0.00171	399607.96	3748292.35	0.00179
399642.96	3748292.35	0.00186	399677.96	3748292.35	0.00190
399712.96	3748292.35	0.00191	399747.96	3748292.35	0.00190
399782.96	3748292.35	0.00186	399817.96	3748292.35	0.00180
399852.96	3748292.35	0.00172	399887.96	3748292.35	0.00164
399922.96	3748292.35	0.00155	399957.96	3748292.35	0.00146
399992.96	3748292.35	0.00136	400027.96	3748292.35	0.00127
400062.96	3748292.35	0.00119	400097.96	3748292.35	0.00111
400132.96	3748292.35	0.00103	400167.96	3748292.35	0.00096
399467.96	3748327.35	0.00162	399502.96	3748327.35	0.00176
399537.96	3748327.35	0.00190	399572.96	3748327.35	0.00203
399607.96	3748327.35	0.00215	399642.96	3748327.35	0.00224
399677.96	3748327.35	0.00230	399712.96	3748327.35	0.00232
399747.96	3748327.35	0.00230	399782.96	3748327.35	0.00224
399817.96	3748327.35	0.00216	399852.96	3748327.35	0.00205
399887.96	3748327.35	0.00193	399922.96	3748327.35	0.00181
399957.96	3748327.35	0.00168	399992.96	3748327.35	0.00156
400027.96	3748327.35	0.00144	400062.96	3748327.35	0.00133
400097.96	3748327.35	0.00123	400132.96	3748327.35	0.00114
400167.96	3748327.35	0.00105	399467.96	3748362.35	0.00189
399502.96	3748362.35	0.00207	399537.96		

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3748362.35        0.00226
         399572.96    3748362.35        0.00245                          399607.96
3748362.35        0.00262
         399642.96    3748362.35        0.00275                          399677.96
3748362.35        0.00284
         399712.96    3748362.35        0.00287                          399747.96
3748362.35        0.00284
         399782.96    3748362.35        0.00276                          399817.96
3748362.35        0.00263
         399852.96    3748362.35        0.00247                          399887.96
3748362.35        0.00230
         399922.96    3748362.35        0.00213                          399957.96
3748362.35        0.00196
         399992.96    3748362.35        0.00179                          400027.96
3748362.35        0.00164
         400062.96    3748362.35        0.00150                          400097.96
3748362.35        0.00137
         400132.96    3748362.35        0.00126                          400167.96
3748362.35        0.00116
         399467.96    3748397.35        0.00221                          399502.96
3748397.35        0.00246
         399537.96    3748397.35        0.00273                          399572.96
3748397.35        0.00300
         399607.96    3748397.35        0.00326                          399642.96
3748397.35        0.00347
         399677.96    3748397.35        0.00362                          399712.96
3748397.35        0.00367
         399747.96    3748397.35        0.00361                          399782.96
3748397.35        0.00347
         399817.96    3748397.35        0.00327                          399852.96
3748397.35        0.00303
         399887.96    3748397.35        0.00278                          399922.96
3748397.35        0.00253
         399957.96    3748397.35        0.00229                          399992.96
3748397.35        0.00207
         400027.96    3748397.35        0.00187                          400062.96
3748397.35        0.00169
         400097.96    3748397.35        0.00153                          400132.96
3748397.35        0.00139
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:10:32

                                PAGE 311
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
```

INCLUDING SOURCE(S): L0000507 , L0000508
, L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516
, L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524
, L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 , L0000531 , L0000532
, L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
400167.96	3748397.35	0.00126	399467.96	3748432.35	0.00261
399502.96	3748432.35	0.00296	399537.96	3748432.35	0.00334
399572.96	3748432.35	0.00376	399607.96	3748432.35	0.00416
399642.96	3748432.35	0.00452	399677.96	3748432.35	0.00476
399712.96	3748432.35	0.00484	399747.96	3748432.35	0.00475
399782.96	3748432.35	0.00451	399817.96	3748432.35	0.00417
399852.96	3748432.35	0.00379	399887.96	3748432.35	0.00341
399922.96	3748432.35	0.00304	399957.96	3748432.35	0.00270
399992.96	3748432.35	0.00240	400027.96	3748432.35	0.00214
400062.96	3748432.35	0.00191	400097.96	3748432.35	0.00171
400132.96	3748432.35	0.00153	400167.96	3748432.35	0.00138
399467.96	3748467.35	0.00311	399502.96	3748467.35	0.00360
399537.96	3748467.35	0.00417	399572.96	3748467.35	0.00481
399607.96	3748467.35	0.00548	399642.96	3748467.35	0.00611
399677.96	3748467.35	0.00655	399712.96	3748467.35	0.00671

399747.96 3748467.35 0.00653 399782.96
3748467.35 0.00608
399817.96 3748467.35 0.00548 399852.96
3748467.35 0.00484
399887.96 3748467.35 0.00423 399922.96
3748467.35 0.00368
399957.96 3748467.35 0.00320 399992.96
3748467.35 0.00279
400027.96 3748467.35 0.00245 400062.96
3748467.35 0.00215
400097.96 3748467.35 0.00190 400132.96
3748467.35 0.00168
400167.96 3748467.35 0.00150 399467.96
3748502.35 0.00374
399537.96 3748502.35 0.00529 399572.96
3748502.35 0.00632
399607.96 3748502.35 0.00750 399642.96
3748502.35 0.00869
399677.96 3748502.35 0.00962 399712.96
3748502.35 0.00995
399747.96 3748502.35 0.00954 400062.96
3748502.35 0.00241
400097.96 3748502.35 0.00210 400132.96
3748502.35 0.00184
400167.96 3748502.35 0.00163 399467.96
3748537.35 0.00452
399537.96 3748537.35 0.00681 399572.96
3748537.35 0.00852
399607.96 3748537.35 0.01071 399642.96
3748537.35 0.01326
399677.96 3748537.35 0.01553 399712.96
3748537.35 0.01638
399747.96 3748537.35 0.01526 400062.96
3748537.35 0.00269
400097.96 3748537.35 0.00231 400132.96
3748537.35 0.00201
400167.96 3748537.35 0.00175 399467.96
3748572.35 0.00546
399747.96 3748572.35 0.02827 400062.96
3748572.35 0.00300
400097.96 3748572.35 0.00255 400132.96
3748572.35 0.00219
400167.96 3748572.35 0.00190 399636.52
3748735.82 0.09853
399636.52 3748770.82 0.09377 399636.52
3748805.82 0.07317
399636.52 3748665.82 0.08055 399636.52
3748700.82 0.09453

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000507 , L0000508 , L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399370.29	3748667.14	0.24666	(12110208)	399405.29	3748667.14	0.30118	(12110208)
399440.29	3748667.14	0.36846	(12110208)	399614.54	3748666.39	1.29104	(12110208)
399370.29	3748702.14	0.22679	(14100908)	399405.29	3748702.14	0.26609	(14100908)
399440.29	3748702.14	0.31631	(14100908)	399614.54	3748701.39	1.41722	(12020808)
399370.29	3748737.14	0.22612	(14100908)	399405.29	3748737.14	0.26627	(14100908)
399440.29	3748737.14	0.31686	(14100908)	399614.54	3748736.39	1.44754	(12020808)
399370.29	3748772.14	0.20431	(14120908)	399405.29	3748772.14	0.23710	(14120908)
399440.29	3748772.14	0.28515	(12100508)	399614.54	3748771.39	1.35422	(12020808)
399370.29	3748807.14	0.20139	(12100508)	399405.29	3748807.14	0.24355	(12100508)
399440.29	3748807.14	0.29717	(12100508)	399614.54	3748806.39	1.14663	(12100508)
399370.29	3748842.14	0.20004	(12100508)	399405.29			

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3748842.14        0.23461  (12100508)
        399440.29   3748842.14        0.27626  (12100508)                399370.29
3748877.14        0.18084  (12100508)
        399405.29   3748877.14        0.20355  (12100508)                399440.29
3748877.14        0.22838  (12100508)
        399417.99   3749014.56        0.13838  (16021808)                399440.99
3749014.56        0.14446  (16021808)
        399417.99   3749049.56        0.12214  (16021808)                399440.99
3749049.56        0.13852  (13092608)
        399463.99   3749049.56        0.16217  (13092608)                399486.99
3749049.56        0.18447  (13092608)
        399509.99   3749049.56        0.20285  (13092608)                399532.99
3749049.56        0.21447  (13092608)
        399555.99   3749049.56        0.21688  (13092608)                399578.99
3749049.56        0.21633  (14123015)
        399601.99   3749049.56        0.26267  (16032808)                399624.99
3749049.56        0.29566  (16032808)
        399647.99   3749049.56        0.30450  (16032808)                399670.99
3749049.56        0.28181  (16032808)
        399693.99   3749049.56        0.26324  (15090408)                399716.99
3749049.56        0.26356  (16091308)
        399739.99   3749049.56        0.27546  (16091308)                399762.99
3749049.56        0.26246  (16091308)
        399785.99   3749049.56        0.24368  (12112915)                399808.99
3749049.56        0.23128  (13042308)
        399831.99   3749049.56        0.22273  (12112815)                399854.99
3749049.56        0.23021  (12112815)
        399877.99   3749049.56        0.22093  (12112815)                399302.99
3749084.56        0.09201  (16021808)
        399325.99   3749084.56        0.09558  (16021808)                399348.99
3749084.56        0.09893  (16021808)
        399371.99   3749084.56        0.10197  (16021808)                399394.99
3749084.56        0.10459  (16021808)
        399417.99   3749084.56        0.11806  (13092608)                399440.99
3749084.56        0.13650  (13092608)
        399463.99   3749084.56        0.15375  (13092608)                399486.99
3749084.56        0.16797  (13092608)
        399509.99   3749084.56        0.17714  (13092608)                399532.99
3749084.56        0.17954  (13092608)
        399555.99   3749084.56        0.17630  (14123015)                399578.99
3749084.56        0.20108  (16032808)
        399624.99   3749084.56        0.25028  (16032808)                399647.99
3749084.56        0.24898  (16032808)
        399670.99   3749084.56        0.22481  (16032808)                399693.99
3749084.56        0.21541  (15090408)
        399716.99   3749084.56        0.21491  (16091308)                399739.99
3749084.56        0.22778  (16091308)
        399762.99   3749084.56        0.22217  (16091308)                399785.99
3749084.56        0.20640  (12112915)
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        399808.99   3749084.56        0.19548  (13042308)                399831.99
3749084.56        0.18427  (13042308)
        399854.99   3749084.56        0.18841  (12112815)                399877.99
3749084.56        0.19128  (12112815)
        400084.99   3749084.56        0.09346  (16011815)                399302.99
3749119.56        0.08439  (16021808)
        399325.99   3749119.56        0.08676  (16021808)                399348.99
3749119.56        0.08884  (16021808)
        399371.99   3749119.56        0.09057  (16021808)                399394.99
3749119.56        0.10137  (13092608)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 313
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        399417.99   3749119.56        0.11577  (13092608)                399440.99
3749119.56        0.12929  (13092608)
        399463.99   3749119.56        0.14048  (13092608)                399486.99
3749119.56        0.14772  (13092608)
        399509.99   3749119.56        0.15002  (13092608)                399532.99
3749119.56        0.14677  (15090108)
        399555.99   3749119.56        0.16015  (14123015)                399578.99
3749119.56        0.18421  (16032808)
        399624.99   3749119.56        0.21341  (16032808)                399647.99
3749119.56        0.20678  (16032808)
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399670.99 3749119.56 0.18360 (16032808) 399693.99
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399762.99 3749119.56 0.19066 (16091308) 399785.99
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399808.99 3749119.56 0.16520 (13042308) 399831.99
3749119.56 0.16058 (13042308)
399854.99 3749119.56 0.15184 (13111915) 399877.99
3749119.56 0.16120 (12112815)
400038.99 3749119.56 0.10975 (16011815) 400061.99
3749119.56 0.10317 (16011815)
400084.99 3749119.56 0.09461 (16011815) 399302.99
3749154.56 0.07670 (16021808)
399325.99 3749154.56 0.07811 (16021808) 399348.99
3749154.56 0.07922 (16021808)
399371.99 3749154.56 0.08799 (13092608) 399394.99
3749154.56 0.09960 (13092608)
399417.99 3749154.56 0.11032 (13092608) 399440.99
3749154.56 0.11911 (13092608)
399463.99 3749154.56 0.12508 (13092608) 399486.99
3749154.56 0.12745 (13092608)
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3749154.56 0.13359 (14123015)
399555.99 3749154.56 0.14564 (16032808) 399578.99
3749154.56 0.16683 (16032808)
399624.99 3749154.56 0.18102 (16032808) 399647.99
3749154.56 0.17101 (16032808)
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399716.99 3749154.56 0.15167 (16091308) 399739.99
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399762.99 3749154.56 0.16334 (16091308) 399785.99
3749154.56 0.15418 (16091308)
399808.99 3749154.56 0.14394 (12112915) 399831.99
3749154.56 0.13915 (13042308)
399854.99 3749154.56 0.13514 (13111915) 399877.99
3749154.56 0.13288 (12112815)
399923.99 3749154.56 0.13782 (12112815) 399946.99
3749154.56 0.13043 (12112815)
399969.99 3749154.56 0.11938 (13112015) 399992.99
3749154.56 0.11485 (13112015)
400015.99 3749154.56 0.10768 (13112015) 400038.99
3749154.56 0.09842 (13112015)
400061.99 3749154.56 0.09539 (16011815) 400084.99
3749154.56 0.09087 (16011815)
399302.99 3749189.56 0.06922 (16021808) 399325.99
3749189.56 0.06991 (16021808)
399348.99 3749189.56 0.07694 (13092608) 399371.99

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3749189.56        0.08643  (13092608)
        399394.99   3749189.56        0.09502  (13092608)                399417.99
3749189.56        0.10222  (13092608)
        399440.99   3749189.56        0.10720  (13092608)                399463.99
3749189.56        0.10935  (13092608)
        399486.99   3749189.56        0.11051  (15090108)                399509.99
3749189.56        0.11299  (14123015)
        399532.99   3749189.56        0.12378  (14123015)                399555.99
3749189.56        0.13636  (16032808)
        399578.99   3749189.56        0.15107  (16032808)                399624.99
3749189.56        0.15667  (16032808)
        399647.99   3749189.56        0.14539  (16032808)                399670.99
3749189.56        0.13361  (15090408)
        399693.99   3749189.56        0.13451  (13111515)                399716.99
3749189.56        0.13218  (12021310)
        399739.99   3749189.56        0.13989  (16091308)                399762.99
3749189.56        0.14217  (16091308)
        399785.99   3749189.56        0.13652  (16091308)                399808.99
3749189.56        0.12671  (12112915)
        399831.99   3749189.56        0.12057  (13042308)                399854.99
3749189.56        0.11975  (13111915)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                   PAGE 314
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3749189.56 0.08671 (13112015)
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3749224.56 0.06217 (16021808)
399325.99 3749224.56 0.06783 (13092608) 399348.99
3749224.56 0.07563 (13092608)
399371.99 3749224.56 0.08271 (13092608) 399394.99
3749224.56 0.08852 (13092608)
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399555.99 3749224.56 0.12636 (16032808) 399578.99
3749224.56 0.13633 (16032808)
399624.99 3749224.56 0.13498 (16032808) 399647.99
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399670.99 3749224.56 0.11653 (15090408) 399693.99
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399716.99 3749224.56 0.11667 (13111515) 399739.99
3749224.56 0.12217 (16091308)
399762.99 3749224.56 0.12499 (16091308) 399785.99
3749224.56 0.12138 (16091308)
399808.99 3749224.56 0.11197 (12112915) 399831.99
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399854.99 3749224.56 0.10536 (13111915) 399877.99
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400112.30 3748645.81 0.14211 (16123015) 400147.30
3748645.81 0.12735 (16123015)
400182.30 3748645.81 0.11468 (16123015) 400217.30
3748645.81 0.10368 (16123015)
400252.30 3748645.81 0.09412 (16123015) 400287.30
3748645.81 0.08577 (16123015)
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3748645.81 0.07188 (16123015)
400392.30 3748645.81 0.06606 (16123015) 400112.30
3748680.81 0.15501 (16123015)
400147.30 3748680.81 0.13720 (16123015) 400182.30
3748680.81 0.12167 (16123015)
400217.30 3748680.81 0.10876 (16123015) 400252.30
3748680.81 0.09771 (16123015)

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        400287.30   3748680.81        0.08819  (16123015)                400322.30
3748680.81        0.07991  (16123015)
        400357.30   3748680.81        0.07271  (16123015)                400392.30
3748680.81        0.06635  (16123015)
        400112.30   3748715.81        0.15469  (14032608)                400147.30
3748715.81        0.13401  (14032608)
        400182.30   3748715.81        0.11677  (14032608)                400217.30
3748715.81        0.10328  (16123015)
        400252.30   3748715.81        0.09221  (16123015)                400287.30
3748715.81        0.08279  (16123015)
        400322.30   3748715.81        0.07471  (16123015)                400357.30
3748715.81        0.06771  (16123015)
        400392.30   3748715.81        0.06159  (16123015)                400112.30
3748750.81        0.17455  (14032608)
        400147.30   3748750.81        0.15236  (14032608)                400182.30
3748750.81        0.13286  (14032608)
        400217.30   3748750.81        0.11743  (14032608)                400252.30
3748750.81        0.10402  (14032608)
        400287.30   3748750.81        0.09271  (14032608)                400322.30
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        400357.30   3748750.81        0.07474  (14032608)                400392.30
3748750.81        0.06751  (14032608)
        400112.30   3748785.81        0.17562  (14032608)                400147.30
3748785.81        0.15474  (14032608)
        400182.30   3748785.81        0.13681  (14032608)                400217.30
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        400252.30   3748785.81        0.10894  (14032608)                400287.30
3748785.81        0.09812  (14032608)
        400322.30   3748785.81        0.08826  (14032608)                400357.30
3748785.81        0.07985  (14032608)
        400392.30   3748785.81        0.07251  (14032608)                400112.30
3748820.81        0.15808  (14032608)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 315
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                 L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                 L0000520    , L0000521    , L0000522    , L0000523    , L0000524
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, L0000533   , L0000534   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400147.30	3748820.81	0.14188	(14032608)	400182.30	3748820.81	0.12769	(14032608)
400217.30	3748820.81	0.11542	(14032608)	400252.30	3748820.81	0.10486	(14032608)
400287.30	3748820.81	0.09530	(14032608)	400322.30	3748820.81	0.08679	(14032608)
400357.30	3748820.81	0.07917	(14032608)	400392.30	3748820.81	0.07252	(14032608)
400112.30	3748855.81	0.14540	(13011008)	400147.30	3748855.81	0.13065	(13011008)
400182.30	3748855.81	0.11797	(13011008)	400217.30	3748855.81	0.10700	(13011008)
400252.30	3748855.81	0.09746	(13011008)	400287.30	3748855.81	0.08912	(13011008)
400322.30	3748855.81	0.08180	(13011008)	400357.30	3748855.81	0.07533	(13011008)
400392.30	3748855.81	0.06958	(13011008)	400112.30	3748890.81	0.14573	(12121715)
400147.30	3748890.81	0.12458	(13011008)	400182.30	3748890.81	0.11380	(13011008)
400217.30	3748890.81	0.10425	(13011008)	400252.30	3748890.81	0.09577	(13011008)
400287.30	3748890.81	0.08823	(13011008)	400322.30	3748890.81	0.08149	(13011008)
400357.30	3748890.81	0.07547	(13011008)	400392.30	3748890.81	0.07005	(13011008)
400112.30	3748925.81	0.14593	(12121715)	400147.30	3748925.81	0.12860	(12121715)
400182.30	3748925.81	0.11222	(12121715)	400217.30	3748925.81	0.09900	(13011008)
400252.30	3748925.81	0.09187	(13011008)	400287.30	3748925.81	0.08538	(13011008)
400322.30	3748925.81	0.07948	(13011008)	400357.30	3748925.81	0.07411	(13011008)
400392.30	3748925.81	0.06921	(13011008)	399467.96	3748222.35	0.10163	(16122708)
399502.96	3748222.35	0.10476	(16122708)	399537.96			

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        399642.96   3748222.35        0.09424  (12020808)                399677.96
3748222.35        0.09533  (12020808)
        399712.96   3748222.35        0.09561  (12020808)                399747.96
3748222.35        0.09506  (12020808)
        399782.96   3748222.35        0.09371  (12020808)                399817.96
3748222.35        0.09165  (12020808)
        399852.96   3748222.35        0.08895  (12020808)                399887.96
3748222.35        0.08576  (12020808)
        399922.96   3748222.35        0.08223  (12020808)                399957.96
3748222.35        0.07847  (12020808)
        399992.96   3748222.35        0.07460  (12020808)                400027.96
3748222.35        0.07070  (12020808)
        400062.96   3748222.35        0.06685  (12020808)                400097.96
3748222.35        0.06522  (16020108)
        400132.96   3748222.35        0.06622  (16020108)                400167.96
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        399537.96   3748257.35        0.11805  (16122708)                399572.96
3748257.35        0.11695  (16122708)
        399607.96   3748257.35        0.11234  (16122708)                399642.96
3748257.35        0.10659  (12020808)
        399677.96   3748257.35        0.10803  (12020808)                399712.96
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        399747.96   3748257.35        0.10768  (12020808)                399782.96
3748257.35        0.10591  (12020808)
        399817.96   3748257.35        0.10319  (12020808)                399852.96
3748257.35        0.09971  (12020808)
        399887.96   3748257.35        0.09562  (12020808)                399922.96
3748257.35        0.09115  (12020808)
        399957.96   3748257.35        0.08646  (12020808)                399992.96
3748257.35        0.08170  (12020808)
        400027.96   3748257.35        0.07697  (12020808)                400062.96
3748257.35        0.07325  (16020108)
        400097.96   3748257.35        0.07441  (16020108)                400132.96
3748257.35        0.07443  (16020108)
        400167.96   3748257.35        0.07357  (16020108)                399467.96
3748292.35        0.12029  (16122708)
        399502.96   3748292.35        0.12792  (16122708)                399537.96
3748292.35        0.13248  (16122708)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:10:32
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000507 , L0000508 , L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399572.96	3748292.35	0.13309	(16122708)	399607.96	3748292.35	0.12916	(16122708)
399642.96	3748292.35	0.12177	(12020808)	399677.96	3748292.35	0.12372	(12020808)
399712.96	3748292.35	0.12422	(12020808)	399747.96	3748292.35	0.12324	(12020808)
399782.96	3748292.35	0.12085	(12020808)	399817.96	3748292.35	0.11723	(12020808)
399852.96	3748292.35	0.11262	(12020808)	399887.96	3748292.35	0.10730	(12020808)
399922.96	3748292.35	0.10157	(12020808)	399957.96	3748292.35	0.09566	(12020808)
399992.96	3748292.35	0.08974	(12020808)	400027.96	3748292.35	0.08396	(12020808)
400062.96	3748292.35	0.08436	(16020108)	400097.96	3748292.35	0.08427	(16020108)
400132.96	3748292.35	0.08297	(16020108)	400167.96	3748292.35	0.08076	(16020108)
399467.96	3748327.35	0.13039	(16122708)	399502.96	3748327.35	0.14134	(16122708)
399537.96	3748327.35	0.14911	(16122708)	399572.96	3748327.35	0.15231	(16122708)
399607.96	3748327.35	0.14978	(16122708)	399642.96	3748327.35	0.14154	(16122708)
399677.96	3748327.35	0.14346	(12020808)	399712.96	3748327.35	0.14415	(12020808)

399747.96 3748327.35 0.14279 (12020808) 399782.96
3748327.35 0.13948 (12020808)
399817.96 3748327.35 0.13451 (12020808) 399852.96
3748327.35 0.12830 (12020808)
399887.96 3748327.35 0.12125 (12020808) 399922.96
3748327.35 0.11380 (12020808)
399957.96 3748327.35 0.10626 (12020808) 399992.96
3748327.35 0.09886 (12020808)
400027.96 3748327.35 0.09676 (16020108) 400062.96
3748327.35 0.09641 (16020108)
400097.96 3748327.35 0.09457 (16020108) 400132.96
3748327.35 0.09153 (16020108)
400167.96 3748327.35 0.08768 (16020108) 399467.96
3748362.35 0.14066 (16122708)
399502.96 3748362.35 0.15594 (16122708) 399537.96
3748362.35 0.16809 (16122708)
399572.96 3748362.35 0.17531 (16122708) 399607.96
3748362.35 0.17536 (16122708)
399642.96 3748362.35 0.16768 (16122708) 399677.96
3748362.35 0.16887 (12020808)
399712.96 3748362.35 0.16987 (12020808) 399747.96
3748362.35 0.16791 (12020808)
399782.96 3748362.35 0.16316 (12020808) 399817.96
3748362.35 0.15616 (12020808)
399852.96 3748362.35 0.14757 (12020808) 399887.96
3748362.35 0.13804 (12020808)
399922.96 3748362.35 0.12821 (12020808) 399957.96
3748362.35 0.11902 (12122414)
399992.96 3748362.35 0.11248 (16020108) 400027.96
3748362.35 0.11173 (16020108)
400062.96 3748362.35 0.10900 (16020108) 400097.96
3748362.35 0.10484 (16020108)
400132.96 3748362.35 0.09969 (16020108) 400167.96
3748362.35 0.09386 (16020108)
399467.96 3748397.35 0.15071 (16122708) 399502.96
3748397.35 0.17140 (16122708)
399537.96 3748397.35 0.18973 (16122708) 399572.96
3748397.35 0.20296 (16122708)
399607.96 3748397.35 0.20763 (16122708) 399642.96
3748397.35 0.20157 (16122708)
399677.96 3748397.35 0.20249 (12020808) 399712.96
3748397.35 0.20405 (12020808)
399747.96 3748397.35 0.20109 (12020808) 399782.96
3748397.35 0.19400 (12020808)
399817.96 3748397.35 0.18375 (12020808) 399852.96
3748397.35 0.17153 (12020808)
399887.96 3748397.35 0.15841 (12020808) 399922.96
3748397.35 0.14860 (12122414)
399957.96 3748397.35 0.13306 (16020108) 399992.96

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3748432.35        0.15848  (16020108)
        399992.96   3748432.35        0.15212  (16020108)                400027.96
3748432.35        0.14339  (16020108)
        400062.96   3748432.35        0.13340  (16020108)                400097.96
3748432.35        0.12292  (16020108)
        400132.96   3748432.35        0.11249  (16020108)                400167.96
3748432.35        0.10244  (16020108)
        399467.96   3748467.35        0.20031  (14121615)                399502.96
3748467.35        0.20261  (14121615)
        399537.96   3748467.35        0.23922  (16122708)                399572.96
3748467.35        0.27478  (16122708)
        399607.96   3748467.35        0.30092  (16122708)                399642.96
3748467.35        0.30871  (16122708)
        399677.96   3748467.35        0.31491  (12020808)                399712.96
3748467.35        0.31938  (12020808)
        399747.96   3748467.35        0.31125  (12020808)                399782.96
3748467.35        0.29259  (12020808)
        399817.96   3748467.35        0.26753  (12020808)                399852.96
3748467.35        0.24788  (12122414)
        399887.96   3748467.35        0.22379  (12122414)                399922.96
3748467.35        0.19584  (16020108)
        399957.96   3748467.35        0.18558  (16020108)                399992.96
3748467.35        0.17232  (16020108)
        400027.96   3748467.35        0.15780  (16020108)                400062.96
3748467.35        0.14314  (16020108)
        400097.96   3748467.35        0.12903  (16020108)                400132.96
3748467.35        0.11583  (16020108)
        400167.96   3748467.35        0.10374  (16020108)                399467.96
3748502.35        0.24214  (14121615)
        399537.96   3748502.35        0.27309  (14121615)                399572.96
3748502.35        0.31867  (16122708)
        399607.96   3748502.35        0.36754  (16122708)                399642.96
3748502.35        0.39543  (16122708)
        399677.96   3748502.35        0.41622  (12020808)                399712.96
3748502.35        0.42505  (12020808)
        399747.96   3748502.35        0.40960  (12020808)                400062.96
3748502.35        0.14962  (16020108)
        400097.96   3748502.35        0.13199  (16020108)                400132.96
3748502.35        0.11634  (16020108)
        400167.96   3748502.35        0.10256  (16020108)                399467.96
3748537.35        0.27314  (14121615)
        399537.96   3748537.35        0.36543  (14121615)                399572.96
3748537.35        0.38967  (14121615)
        399607.96   3748537.35        0.45229  (16122708)                399642.96
3748537.35        0.52309  (16122708)
        399677.96   3748537.35        0.58679  (12020808)                399712.96
3748537.35        0.60765  (12020808)
        399747.96   3748537.35        0.57298  (12020808)                400062.96
3748537.35        0.15161  (16020108)
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399440.29 3748702.14 0.12514 (13112216) 399614.54
3748701.39 0.62908 (14121616)
399370.29 3748737.14 0.09091 (13112216) 399405.29
3748737.14 0.10855 (13112216)
399440.29 3748737.14 0.13110 (13112216) 399614.54
3748736.39 0.63579 (14121616)
399370.29 3748772.14 0.08627 (13112216) 399405.29
3748772.14 0.10219 (13112216)
399440.29 3748772.14 0.12254 (13112216) 399614.54
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3748877.14 0.05994b (13121916)
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3748877.14 0.09468b (13121916)
399417.99 3749014.56 0.05133b (13121916) 399440.99
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399417.99 3749049.56 0.04285 (13021916) 399440.99
3749049.56 0.04806 (13021916)
399463.99 3749049.56 0.05292 (13021916) 399486.99
3749049.56 0.05704 (13021916)
399509.99 3749049.56 0.05998 (16122316) 399532.99
3749049.56 0.07027 (16122316)
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3749049.56 0.08924 (16122316)
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3749049.56 0.12254 (13111516)
399647.99 3749049.56 0.13478 (13111516) 399670.99
3749049.56 0.13875 (13111516)
399693.99 3749049.56 0.13264 (13111516) 399716.99
3749049.56 0.11665 (13111516)
399739.99 3749049.56 0.12732m (12052516) 399762.99
3749049.56 0.13126m (12052516)
399785.99 3749049.56 0.12528m (12052516) 399808.99
3749049.56 0.12295 (12052416)
399831.99 3749049.56 0.12298 (12052416) 399854.99
3749049.56 0.11761 (16050516)
399877.99 3749049.56 0.11003 (16050516) 399302.99
3749084.56 0.03297b (13121916)
399325.99 3749084.56 0.03296b (13121916) 399348.99
3749084.56 0.03247b (13121916)
399371.99 3749084.56 0.03233 (13021916) 399394.99
3749084.56 0.03639 (13021916)
399417.99 3749084.56 0.04063 (13021916) 399440.99

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3749084.56        0.04440  (13021916)
        399463.99   3749084.56        0.04757  (13021916)                399486.99
3749084.56        0.04972  (13021916)
        399509.99   3749084.56        0.05644  (16122316)                399532.99
3749084.56        0.06466  (16122316)
        399555.99   3749084.56        0.07218  (16122316)                399578.99
3749084.56        0.07947  (13111516)
        399624.99   3749084.56        0.10358  (13111516)                399647.99
3749084.56        0.11139  (13111516)
        399670.99   3749084.56        0.11280  (13111516)                399693.99
3749084.56        0.10732  (13111516)
        399716.99   3749084.56        0.09511  (13111516)                399739.99
3749084.56        0.10379m (12052516)
        399762.99   3749084.56        0.10907m (12052516)                399785.99
3749084.56        0.10687m (12052516)
        399808.99   3749084.56        0.09855m (12052516)                399831.99
3749084.56        0.10173  (12052416)
        399854.99   3749084.56        0.10003  (12052416)                399877.99
3749084.56        0.09602  (16050516)
        400084.99   3749084.56        0.04629  (12050316)                399302.99
3749119.56        0.02699b (13121916)
        399325.99   3749119.56        0.02621b (13121916)                399348.99
3749119.56        0.02817  (13021916)
        399371.99   3749119.56        0.03145  (13021916)                399394.99
3749119.56        0.03459  (13021916)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                   PAGE 319
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399417.99	3749119.56	0.03746	(13021916)	399440.99	3749119.56	0.03996	(13021916)
399463.99	3749119.56	0.04167	(13021916)	399486.99	3749119.56	0.04564	(16122316)
399509.99	3749119.56	0.05209	(16122316)	399532.99	3749119.56	0.05834	(16122316)
399555.99	3749119.56	0.06352	(16122316)	399578.99	3749119.56	0.07092	(13111516)
399624.99	3749119.56	0.08852	(13111516)	399647.99	3749119.56	0.09373	(13111516)
399670.99	3749119.56	0.09416	(13111516)	399693.99	3749119.56	0.08925	(13111516)
399716.99	3749119.56	0.07955	(13111516)	399739.99	3749119.56	0.08660m	(12052516)
399762.99	3749119.56	0.09218m	(12052516)	399785.99	3749119.56	0.09228m	(12052516)
399808.99	3749119.56	0.08711m	(12052516)	399831.99	3749119.56	0.08389	(12052416)
399854.99	3749119.56	0.08500	(12052416)	399877.99	3749119.56	0.08267	(12052416)
400038.99	3749119.56	0.04799	(12050316)	400061.99	3749119.56	0.04602	(12050316)
400084.99	3749119.56	0.04353	(12050316)	399302.99	3749154.56	0.02206	(13021916)
399325.99	3749154.56	0.02474	(13021916)	399348.99	3749154.56	0.02743	(13021916)
399371.99	3749154.56	0.03000	(13021916)	399394.99	3749154.56	0.03227	(13021916)
399417.99	3749154.56	0.03419	(13021916)	399440.99	3749154.56	0.03545	(13021916)
399463.99	3749154.56	0.03753	(16122316)	399486.99	3749154.56	0.04278	(16122316)
399509.99	3749154.56	0.04792	(16122316)	399532.99	3749154.56	0.05252	(16122316)
399555.99	3749154.56	0.05582	(16122316)	399578.99	3749154.56	0.06312	(13111516)
399624.99	3749154.56	0.07584	(13111516)	399647.99	3749154.56	0.07897	(13111516)
399670.99	3749154.56	0.07881	(13111516)	399693.99	3749154.56	0.07463	(13111516)
399716.99	3749154.56	0.06707	(13111516)	399739.99	3749154.56	0.07220m	(12052516)
399762.99	3749154.56	0.07761m	(12052516)	399785.99	3749154.56	0.07913m	(12052516)

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        399808.99   3749154.56        0.07651m (12052516)                399831.99
3749154.56        0.07038m (12052516)
        399854.99   3749154.56        0.07173  (12052416)                399877.99
3749154.56        0.07165  (12052416)
        399923.99   3749154.56        0.06720  (16050516)                399946.99
3749154.56        0.06270  (16050516)
        399969.99   3749154.56        0.05767  (12042316)                399992.99
3749154.56        0.05333  (12042316)
        400015.99   3749154.56        0.04835  (12042316)                400038.99
3749154.56        0.04298  (12042316)
        400061.99   3749154.56        0.04112  (12050316)                400084.99
3749154.56        0.03980  (12050316)
        399302.99   3749189.56        0.02190  (13021916)                399325.99
3749189.56        0.02412  (13021916)
        399348.99   3749189.56        0.02624  (13021916)                399371.99
3749189.56        0.02810  (13021916)
        399394.99   3749189.56        0.02954  (13021916)                399417.99
3749189.56        0.03059  (13021916)
        399440.99   3749189.56        0.03129  (16122316)                399463.99
3749189.56        0.03551  (16122316)
        399486.99   3749189.56        0.03989  (16122316)                399509.99
3749189.56        0.04405  (16122316)
        399532.99   3749189.56        0.04745  (16122316)                399555.99
3749189.56        0.05019  (13111516)
        399578.99   3749189.56        0.05636  (13111516)                399624.99
3749189.56        0.06614  (13111516)
        399647.99   3749189.56        0.06833  (13111516)                399670.99
3749189.56        0.06775  (13111516)
        399693.99   3749189.56        0.06415  (13111516)                399716.99
3749189.56        0.05774  (13111516)
        399739.99   3749189.56        0.06153m (12052516)                399762.99
3749189.56        0.06664m (12052516)
        399785.99   3749189.56        0.06890m (12052516)                399808.99
3749189.56        0.06769m (12052516)
        399831.99   3749189.56        0.06357m (12052516)                399854.99
3749189.56        0.06056  (12052416)
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*** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000507   , L0000508   , L0000509   , L0000510   , L0000511   ,
L0000512   , L0000513   , L0000514   , L0000515   , L0000516

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, L0000517    , L0000518    , L0000519    ,
                L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        399877.99   3749189.56        0.06180  (12052416)                400015.99
3749189.56        0.04610  (12042316)
        400038.99   3749189.56        0.04206  (12042316)                400061.99
3749189.56        0.03770  (12042316)
        400084.99   3749189.56        0.03560  (12050316)                399302.99
3749224.56        0.02139  (13021916)
        399325.99   3749224.56        0.02311  (13021916)                399348.99
3749224.56        0.02464  (13021916)
        399371.99   3749224.56        0.02584  (13021916)                399394.99
3749224.56        0.02660  (13021916)
        399417.99   3749224.56        0.02694  (13021916)                399440.99
3749224.56        0.02978  (16122316)
        399463.99   3749224.56        0.03339  (16122316)                399486.99
3749224.56        0.03693  (16122316)
        399509.99   3749224.56        0.04015  (16122316)                399532.99
3749224.56        0.04253  (16122316)
        399555.99   3749224.56        0.04545  (13111516)                399578.99
3749224.56        0.05040  (13111516)
        399624.99   3749224.56        0.05779  (13111516)                399647.99
3749224.56        0.05924  (13111516)
        399670.99   3749224.56        0.05850  (13111516)                399693.99
3749224.56        0.05542  (13111516)
        399716.99   3749224.56        0.05008  (13111516)                399739.99
3749224.56        0.05322m (12052516)
        399762.99   3749224.56        0.05790m (12052516)                399785.99
3749224.56        0.06031m (12052516)
        399808.99   3749224.56        0.06006m (12052516)                399831.99
3749224.56        0.05740m (12052516)
        399854.99   3749224.56        0.05279m (12052516)                399877.99
3749224.56        0.05311  (12052416)
        400015.99   3749224.56        0.04312  (12042316)                400038.99
3749224.56        0.04029  (12042316)
        400061.99   3749224.56        0.03696  (12042316)                400084.99
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3749224.56        0.03336  (12042316)
        400112.30   3748645.81        0.04922  (15122516)                400147.30
3748645.81        0.04076  (15122516)
        400182.30   3748645.81        0.03399  (15122516)                400217.30
3748645.81        0.02853  (15122516)
        400252.30   3748645.81        0.02492  (13011016)                400287.30
3748645.81        0.02212  (13011016)
        400322.30   3748645.81        0.01972  (13011016)                400357.30
3748645.81        0.01767  (13011016)
        400392.30   3748645.81        0.01589  (13011016)                400112.30
3748680.81        0.04375  (13011016)
        400147.30   3748680.81        0.03760  (12122616)                400182.30
3748680.81        0.03260  (12122616)
        400217.30   3748680.81        0.02856  (12122616)                400252.30
3748680.81        0.02537  (13040816)
        400287.30   3748680.81        0.02269  (13040816)                400322.30
3748680.81        0.02039  (13040816)
        400357.30   3748680.81        0.01843  (13040816)                400392.30
3748680.81        0.01671  (13040816)
        400112.30   3748715.81        0.04768  (14032616)                400147.30
3748715.81        0.04114  (13040816)
        400182.30   3748715.81        0.03584  (13040816)                400217.30
3748715.81        0.03155  (13040816)
        400252.30   3748715.81        0.02791  (13040816)                400287.30
3748715.81        0.02486  (13040816)
        400322.30   3748715.81        0.02228  (13040816)                400357.30
3748715.81        0.02007  (13040816)
        400392.30   3748715.81        0.01816  (13040816)                400112.30
3748750.81        0.05460  (12110916)
        400147.30   3748750.81        0.04674  (12110916)                400182.30
3748750.81        0.04014  (12110916)
        400217.30   3748750.81        0.03493  (12110916)                400252.30
3748750.81        0.03056  (12110916)
        400287.30   3748750.81        0.02698  (14032616)                400322.30
3748750.81        0.02411  (14032616)
        400357.30   3748750.81        0.02165  (14032616)                400392.30
3748750.81        0.01953  (14032616)
        400112.30   3748785.81        0.05868  (12110916)                400147.30
3748785.81        0.05050  (12110916)
        400182.30   3748785.81        0.04371  (12110916)                400217.30
3748785.81        0.03818  (12110916)
        400252.30   3748785.81        0.03355  (12110916)                400287.30
3748785.81        0.02972  (12110916)
        400322.30   3748785.81        0.02637  (12110916)                400357.30
3748785.81        0.02355  (12110916)
        400392.30   3748785.81        0.02113  (12110916)                400112.30
3748820.81        0.05878  (12110916)
```

*** AERMET - VERSION 16216 ***   ***
*** 09:10:32

PAGE 321
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000507   , L0000508   , L0000509   , L0000510   , L0000511   ,
L0000512   , L0000513   , L0000514   , L0000515   , L0000516   , L0000517   , L0000518   , L0000519   ,
L0000520   , L0000521   , L0000522   , L0000523   , L0000524   , L0000525   , L0000526   , L0000527   ,
L0000528   , L0000529   , L0000530   , L0000531   , L0000532   , L0000533   , L0000534   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400147.30	3748820.81	0.05124	(12110916)	400182.30	3748820.81	0.04488	(12110916)
400217.30	3748820.81	0.03956	(12110916)	400252.30	3748820.81	0.03511	(12110916)
400287.30	3748820.81	0.03124	(12110916)	400322.30	3748820.81	0.02790	(12110916)
400357.30	3748820.81	0.02501	(12110916)	400392.30	3748820.81	0.02254	(12110916)
400112.30	3748855.81	0.05500	(12110916)	400147.30	3748855.81	0.04884	(12110916)
400182.30	3748855.81	0.04347	(12110916)	400217.30	3748855.81	0.03884	(12110916)
400252.30	3748855.81	0.03484	(12110916)	400287.30	3748855.81	0.03133	(12110916)
400322.30	3748855.81	0.02822	(12110916)	400357.30	3748855.81	0.02550	(12110916)
400392.30	3748855.81	0.02314	(12110916)	400112.30	3748890.81	0.04817	(12110916)
400147.30	3748890.81	0.04382	(12110916)	400182.30	3748890.81	0.03984	(12110916)
400217.30	3748890.81	0.03622	(12110916)	400252.30	3748890.81	0.03294	(12110916)

400287.30 3748890.81 0.03000 (12110916) 400322.30 3748890.81 0.02736 (12110916)
400357.30 3748890.81 0.02500 (12110916) 400392.30 3748890.81 0.02289 (12110916)
400112.30 3748925.81 0.03967 (12110916) 400147.30 3748925.81 0.03712 (12110916)
400182.30 3748925.81 0.03459 (12110916) 400217.30 3748925.81 0.03214 (12110916)
400252.30 3748925.81 0.02979 (12110916) 400287.30 3748925.81 0.02757 (12110916)
400322.30 3748925.81 0.02552 (12110916) 400357.30 3748925.81 0.02361 (12110916)
400392.30 3748925.81 0.02186 (12110916) 399467.96 3748222.35 0.01671 (16122716)
399502.96 3748222.35 0.01674 (16122716) 399537.96 3748222.35 0.01741m (13121016)
399572.96 3748222.35 0.01821m (13121016) 399607.96 3748222.35 0.01840m (13121016)
399642.96 3748222.35 0.01798m (13121016) 399677.96 3748222.35 0.01710m (13121016)
399712.96 3748222.35 0.01601m (13121016) 399747.96 3748222.35 0.01567c (12121008)
399782.96 3748222.35 0.01544c (12121008) 399817.96 3748222.35 0.01510c (12121008)
399852.96 3748222.35 0.01466c (12121008) 399887.96 3748222.35 0.01413c (12121008)
399922.96 3748222.35 0.01355c (12121008) 399957.96 3748222.35 0.01293c (12121008)
399992.96 3748222.35 0.01266 (13010216) 400027.96 3748222.35 0.01284 (13010216)
400062.96 3748222.35 0.01270 (13010216) 400097.96 3748222.35 0.01357 (15121416)
400132.96 3748222.35 0.01551 (15121416) 400167.96 3748222.35 0.01707 (15121416)
399467.96 3748257.35 0.01957 (16122716) 399502.96 3748257.35 0.01978 (16122716)
399537.96 3748257.35 0.01977m (13121016) 399572.96 3748257.35 0.02106m (13121016)
399607.96 3748257.35 0.02157m (13121016) 399642.96 3748257.35 0.02125m (13121016)
399677.96 3748257.35 0.02029m (13121016) 399712.96 3748257.35 0.01899m (13121016)
399747.96 3748257.35 0.01774c (12121008) 399782.96 3748257.35 0.01745c (12121008)
399817.96 3748257.35 0.01700c (12121008) 399852.96 3748257.35 0.01643c (12121008)
399887.96 3748257.35 0.01576c (12121008) 399922.96 3748257.35 0.01502c (12121008)
399957.96 3748257.35 0.01469 (13010216) 399992.96

3748257.35   0.01502 (13010216)
        400027.96   3748257.35   0.01492 (13010216)   400062.96
3748257.35   0.01560 (15121416)
        400097.96   3748257.35   0.01793 (15121416)   400132.96
3748257.35   0.01978 (15121416)
        400167.96   3748257.35   0.02106 (15121416)   399467.96
3748292.35   0.02297 (16122716)
        399502.96   3748292.35   0.02351 (16122716)   399537.96
3748292.35   0.02366 (16122716)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0000507   , L0000508 , L0000509   , L0000510   , L0000511   ,
                L0000512   , L0000513   , L0000514   , L0000515   , L0000516 , L0000517   , L0000518   , L0000519   ,
                L0000520   , L0000521   , L0000522   , L0000523   , L0000524 , L0000525   , L0000526   , L0000527   ,
                L0000528   , L0000529   , L0000530   , L0000531   , L0000532 , L0000533   , L0000534   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        399572.96   3748292.35   0.02445m (13121016)   399607.96
3748292.35   0.02548m (13121016)
        399642.96   3748292.35   0.02540m (13121016)   399677.96
3748292.35   0.02438m (13121016)
        399712.96   3748292.35   0.02285m (13121016)   399747.96
3748292.35   0.02130m (13121016)
        399782.96   3748292.35   0.02006m (13121016)   399817.96
3748292.35   0.01932c (12121008)
        399852.96   3748292.35   0.01856c (12121008)   399887.96
3748292.35   0.01807 (12030216)
        399922.96   3748292.35   0.01719 (13010216)   399957.96

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3748292.35        0.01775  (13010216)
        399992.96   3748292.35        0.01773  (13010216)                400027.96
3748292.35        0.01810  (15121416)
        400062.96   3748292.35        0.02097  (15121416)                400097.96
3748292.35        0.02316  (15121416)
        400132.96   3748292.35        0.02462  (15121416)                400167.96
3748292.35        0.02532  (15121416)
        399467.96   3748327.35        0.02691  (16122716)                399502.96
3748327.35        0.02803  (16122716)
        399537.96   3748327.35        0.02861  (16122716)                399572.96
3748327.35        0.02853  (16122716)
        399607.96   3748327.35        0.03035m (13121016)                399642.96
3748327.35        0.03073m (13121016)
        399677.96   3748327.35        0.02973m (13121016)                399712.96
3748327.35        0.02794m (13121016)
        399747.96   3748327.35        0.02601m (13121016)                399782.96
3748327.35        0.02441m (13121016)
        399817.96   3748327.35        0.02310m (13121016)                399852.96
3748327.35        0.02205  (12030216)
        399887.96   3748327.35        0.02121  (12030216)                399922.96
3748327.35        0.02125  (13010216)
        399957.96   3748327.35        0.02138  (13010216)                399992.96
3748327.35        0.02126  (15121416)
        400027.96   3748327.35        0.02483  (15121416)                400062.96
3748327.35        0.02748  (15121416)
        400097.96   3748327.35        0.02911  (15121416)                400132.96
3748327.35        0.02977  (15121416)
        400167.96   3748327.35        0.02956  (15121416)                399467.96
3748362.35        0.03137  (16122716)
        399502.96   3748362.35        0.03341  (16122716)                399537.96
3748362.35        0.03480  (16122716)
        399572.96   3748362.35        0.03526  (16122716)                399607.96
3748362.35        0.03648m (13121016)
        399642.96   3748362.35        0.03770m (13121016)                399677.96
3748362.35        0.03690m (13121016)
        399712.96   3748362.35        0.03484m (13121016)                399747.96
3748362.35        0.03236m (13121016)
        399782.96   3748362.35        0.03016m (13121016)                399817.96
3748362.35        0.02815m (13121016)
        399852.96   3748362.35        0.02648  (12030216)                399887.96
3748362.35        0.02584  (13010216)
        399922.96   3748362.35        0.02623  (13010216)                399957.96
3748362.35        0.02556  (13010216)
        399992.96   3748362.35        0.02987  (15121416)                400027.96
3748362.35        0.03311  (15121416)
        400062.96   3748362.35        0.03493  (15121416)                400097.96
3748362.35        0.03542  (15121416)
        400132.96   3748362.35        0.03481  (15121416)                400167.96
3748362.35        0.03337  (15121416)
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        399467.96   3748397.35        0.03617  (16122716)               399502.96
3748397.35        0.03964  (16122716)
        399537.96   3748397.35        0.04240  (16122716)               399572.96
3748397.35        0.04400  (16122716)
        399607.96   3748397.35        0.04423m (13121016)               399642.96
3748397.35        0.04702m (13121016)
        399677.96   3748397.35        0.04683m (13121016)               399712.96
3748397.35        0.04448m (13121016)
        399747.96   3748397.35        0.04120m (13121016)               399782.96
3748397.35        0.03795m (13121016)
        399817.96   3748397.35        0.03465m (13121016)               399852.96
3748397.35        0.03214  (12030216)
        399887.96   3748397.35        0.03289  (13010216)               399922.96
3748397.35        0.03216  (13010216)
        399957.96   3748397.35        0.03662  (15121416)               399992.96
3748397.35        0.04064  (15121416)
        400027.96   3748397.35        0.04261  (15121416)               400062.96
3748397.35        0.04276  (15121416)
        400097.96   3748397.35        0.04147  (15121416)               400132.96
3748397.35        0.03917  (15121416)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:10:32

                                  PAGE 323
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        400167.96   3748397.35        0.03622  (15121416)              399467.96
3748432.35        0.04272m (12111216)
        399502.96   3748432.35        0.04657  (16122716)              399537.96
3748432.35        0.05156  (16122716)
        399572.96   3748432.35        0.05529  (16122716)              399607.96
3748432.35        0.05674  (16122716)
        399642.96   3748432.35        0.05975m (13121016)              399677.96
3748432.35        0.06100m (13121016)
        399712.96   3748432.35        0.05850m (13121016)              399747.96
3748432.35        0.05393m (13121016)
        399782.96   3748432.35        0.04867m (13121016)              399817.96
3748432.35        0.04299m (13121016)
        399852.96   3748432.35        0.04248  (13010216)              399887.96
3748432.35        0.04170  (13010216)
        399922.96   3748432.35        0.04600  (15121416)              399957.96
3748432.35        0.05103  (15121416)
        399992.96   3748432.35        0.05303  (15121416)              400027.96
3748432.35        0.05249  (15121416)
        400062.96   3748432.35        0.05008  (15121416)              400097.96
3748432.35        0.04646  (15121416)
        400132.96   3748432.35        0.04218  (15121416)              400167.96
3748432.35        0.03768  (15121416)
        399467.96   3748467.35        0.05428m (12111216)              399502.96
3748467.35        0.05682m (12111216)
        399537.96   3748467.35        0.06214  (16122716)              399572.96
3748467.35        0.06964  (16122716)
        399607.96   3748467.35        0.07455  (16122716)              399642.96
3748467.35        0.07760m (13121016)
        399677.96   3748467.35        0.08218m (13121016)              399712.96
3748467.35        0.08004m (13121016)
        399747.96   3748467.35        0.07302m (13121016)              399782.96
3748467.35        0.06376m (13121016)
        399817.96   3748467.35        0.05716  (13010216)              399852.96
3748467.35        0.05623  (13010216)
        399887.96   3748467.35        0.05966  (15121416)              399922.96
3748467.35        0.06603  (15121416)
        399957.96   3748467.35        0.06770  (15121416)              399992.96
3748467.35        0.06575  (15121416)
        400027.96   3748467.35        0.06136  (15121416)              400062.96
3748467.35        0.05568  (15121416)
        400097.96   3748467.35        0.04945  (15121416)              400132.96
3748467.35        0.04323  (15121416)
        400167.96   3748467.35        0.03987  (15122516)              399467.96
3748502.35        0.06699m (12111216)
        399537.96   3748502.35        0.07909m (12111216)              399572.96
3748502.35        0.08721  (16122716)
        399607.96   3748502.35        0.09907  (16122716)              399642.96
3748502.35        0.10434  (16122716)
        399677.96   3748502.35        0.11583m (13121016)              399712.96
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3748502.35   0.11541m (13121016)
        399747.96   3748502.35   0.10325m (13121016)   400062.96
3748502.35   0.05831 (15121416)
        400097.96   3748502.35   0.05283 (15122516)   400132.96
3748502.35   0.04861 (15122516)
        400167.96   3748502.35   0.04436 (15122516)   399467.96
3748537.35   0.07905m (12111216)
        399537.96   3748537.35   0.10650m (12111216)   399572.96
3748537.35   0.11733m (12111216)
        399607.96   3748537.35   0.13165 (16122716)   399642.96
3748537.35   0.15102 (16122716)
        399677.96   3748537.35   0.17278m (13121016)   399712.96
3748537.35   0.17864m (13121016)
        399747.96   3748537.35   0.15413m (13121016)   400062.96
3748537.35   0.06621 (15122516)
        400097.96   3748537.35   0.05926 (15122516)   400132.96
3748537.35   0.05275 (15122516)
        400167.96   3748537.35   0.04672 (15122516)   399467.96
3748572.35   0.08785 (16112416)
        399747.96   3748572.35   0.25039m (13121016)   400062.96
3748572.35   0.07183 (15122516)
        400097.96   3748572.35   0.06210 (15122516)   400132.96
3748572.35   0.05367 (15122516)
        400167.96   3748572.35   0.04638 (15122516)   399636.52
3748735.82   0.90893 (14121616)
        399636.52   3748770.82   0.85151 (14121616)   399636.52
3748805.82   0.70693b (13121916)
        399636.52   3748665.82   0.77879 (14121616)   399636.52
3748700.82   0.90220 (14121616)

                                     *** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                      NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -

- - - - - - - - - - - - - - - - - -

ALL   1ST HIGHEST VALUE IS   0.09853 AT (399636.52, 3748735.82,   17.80,
   17.80,   0.00) DC
          2ND HIGHEST VALUE IS   0.09453 AT (399636.52, 3748700.82,   17.79,
   17.79,   0.00) DC
          3RD HIGHEST VALUE IS   0.09377 AT (399636.52, 3748770.82,   17.83,
   17.83,   0.00) DC
          4TH HIGHEST VALUE IS   0.08055 AT (399636.52, 3748665.82,   17.96,
   17.96,   0.00) DC
          5TH HIGHEST VALUE IS   0.07317 AT (399636.52, 3748805.82,   17.91,
   17.91,   0.00) DC
          6TH HIGHEST VALUE IS   0.05740 AT (399614.54, 3748736.39,   17.99,
   17.99,   0.00) DC
          7TH HIGHEST VALUE IS   0.05535 AT (399614.54, 3748701.39,   17.98,
   17.98,   0.00) DC
          8TH HIGHEST VALUE IS   0.05385 AT (399614.54, 3748771.39,   18.18,
   18.18,   0.00) DC
          9TH HIGHEST VALUE IS   0.04782 AT (399614.54, 3748666.39,   18.10,
   18.10,   0.00) DC
         10TH HIGHEST VALUE IS   0.04356 AT (399614.54, 3748806.39,   18.07,
   18.07,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                 *** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
               **

                                                              DATE
                                         NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
-
-

```
ALL      HIGH   1ST HIGH VALUE IS       2.19205  ON 12020808: AT (  399636.52,
3748735.82,    17.80,    17.80,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 326
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  8-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
               **

                                                        DATE
                                            NETWORK
GROUP ID                            AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.90893  ON 14121616: AT (  399636.52,
3748735.82,    17.80,    17.80,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:10:32

                                  PAGE 327
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***
```

```
 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         2285 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of         1588 Calm Hours Identified

A Total of          697 Missing Hours Identified (  1.59 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    4130       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187    4130       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

HARP2 - HRACalc (dated 22094) 9/6/2022 7:43:05 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk saved to: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\RAST\Construction\Unmit_construct_revisedCancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\RAST\Construction\Unmit_construct_revisedNCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\RAST\Construction\Unmit_construct_revisedNCAcuteRisk.csv
HRA ran successfully

Construction (residential exposure)

	µg/m^3		
	1 hr	8 hr	Period
Project	1.46E-01	6.04E-02	6.59E-03

HARP 2 Risk Summary

				Cancer	Per 1 million	Chronic		Acute
INDEX	**POLID**		**CONC**	**INH_RISK**		**RESP**	**CONC**	**RESP**
1	9901	Diesel ExhPM	6.59E-03	2.25E-06	2.25	1.32E-03		
2	107028	Acrolein					1.46E-01	5.84E-02

Construction (Mitigated)

PM_{10} Exhaust Onsite

Year	Tons/Year	g/s	Weighted Average On-Site Rate
2023	3.41E-03	0.000833	0.000612655
2024	5.71E-03	0.000649	
2025	3.25E-03	0.000445	
	9.12E-03		

PM_{10} Exhaust Off-Site

	Tons/Year	g/s	g/s per mile	Weighted Average Off-Site Rate
2023	1.70E-04	0.000042	1.3837E-06	1.72E-05
2024	1.49E-03	0.000169	2.45562E-05	
2025	8.70E-04	0.000119	1.72681E-05	
	2.53E-03			

	2023	2024	2025	Total
Const Duration (Days):	129	277	230	636

	Trips		Miles		Weighted
	Vendor	Hauling	Vendor	Hauling	Trip length
2023	0	242	6.9	30	30.00
2024	13	0	6.9	20	6.90
2025	11	0	6.9	20	6.90

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
Artesia Blvd	936.7	0.58	1.72E-05	1.00E-05
Fallon	185.9	0.12	1.72E-05	1.99E-06
Pioneer Blvd	340.8	0.21	1.72E-05	3.65E-06

On-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2023	Site Prep	1.33E-03
2023	Grading	2.08E-03
	Total	3.41E-03
2024	Grading	2.00E-05
2024	Building	5.34E-03
2024	Paving	3.50E-04
	Total	5.71E-03
2025	Building	3.12E-03
2025	Arch Coating	1.30E-04
	Total	3.25E-03

Off-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM_{10}
2023	Site Prep	1.30E-04
2023	Grading	4.00E-05
	Total	1.70E-04
2024	Grading	0.00E+00
2024	Building	1.47E-03
2024	Paving	2.00E-05
	Total	1.49E-03
2025	Building	8.30E-04
2025	Arch Coating	4.00E-05
	Total	8.70E-04

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.0
** Lakes Environmental Software Inc.
** Date: 9/2/2022
** File: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\Artesia
Blvd_SP_Const_T4_revised\Artesia Blvd_SP_Const_T4_revised.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Artesia Blvd_SP_Const_T4\Artesia Blvd_SP_Const_
   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd_SP_Const_T4_revised.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.000612655
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
** 399673.872, 3748634.849, 17.77, 3.11, 3.95
** 399738.701, 3748634.849, 17.57, 3.11, 3.95
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** 399731.273, 3748807.725, 17.89, 3.11, 3.95
** 399675.898, 3748807.050, 18.11, 3.11, 3.95
** 399677.249, 3748655.108, 17.67, 3.11, 3.95
** 399723.844, 3748653.082, 17.79, 3.11, 3.95
** 399722.494, 3748796.920, 18.04, 3.11, 3.95
** 399687.378, 3748800.297, 18.12, 3.11, 3.95
** 399690.080, 3748665.912, 17.88, 3.11, 3.95
** 399711.689, 3748666.588, 17.81, 3.11, 3.95
** 399704.261, 3748790.167, 18.05, 3.11, 3.95
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   LOCATION L0000507     VOLUME   399678.122 3748634.849 17.56
   LOCATION L0000508     VOLUME   399686.622 3748634.849 17.74
   LOCATION L0000509     VOLUME   399695.122 3748634.849 17.82
   LOCATION L0000510     VOLUME   399703.622 3748634.849 17.83
   LOCATION L0000511     VOLUME   399712.122 3748634.849 17.83
   LOCATION L0000512     VOLUME   399720.622 3748634.849 17.79
   LOCATION L0000513     VOLUME   399729.122 3748634.849 17.71
   LOCATION L0000514     VOLUME   399737.622 3748634.849 17.64
   LOCATION L0000515     VOLUME   399738.382 3748642.263 17.67
   LOCATION L0000516     VOLUME   399738.017 3748650.756 17.72
   LOCATION L0000517     VOLUME   399737.653 3748659.248 17.75
   LOCATION L0000518     VOLUME   399737.288 3748667.740 17.76
   LOCATION L0000519     VOLUME   399736.923 3748676.232 17.77
   LOCATION L0000520     VOLUME   399736.558 3748684.724 17.78
   LOCATION L0000521     VOLUME   399736.193 3748693.216 17.78
   LOCATION L0000522     VOLUME   399735.828 3748701.709 17.78
   LOCATION L0000523     VOLUME   399735.463 3748710.201 17.79
   LOCATION L0000524     VOLUME   399735.098 3748718.693 17.80
   LOCATION L0000525     VOLUME   399734.733 3748727.185 17.82
   LOCATION L0000526     VOLUME   399734.369 3748735.677 17.84
   LOCATION L0000527     VOLUME   399734.004 3748744.169 17.86
   LOCATION L0000528     VOLUME   399733.639 3748752.662 17.88
   LOCATION L0000529     VOLUME   399733.274 3748761.154 17.90
   LOCATION L0000530     VOLUME   399732.909 3748769.646 17.92
   LOCATION L0000531     VOLUME   399732.544 3748778.138 17.95
   LOCATION L0000532     VOLUME   399732.179 3748786.630 17.95
   LOCATION L0000533     VOLUME   399731.814 3748795.122 17.95
   LOCATION L0000534     VOLUME   399731.449 3748803.615 17.96
   LOCATION L0000535     VOLUME   399726.887 3748807.671 18.00
   LOCATION L0000536     VOLUME   399718.388 3748807.568 18.07
   LOCATION L0000537     VOLUME   399709.888 3748807.464 18.09
   LOCATION L0000538     VOLUME   399701.389 3748807.360 18.11
   LOCATION L0000539     VOLUME   399692.890 3748807.257 18.12
   LOCATION L0000540     VOLUME   399684.390 3748807.153 18.00
   LOCATION L0000541     VOLUME   399675.898 3748807.042 17.86
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   LOCATION L0000543     VOLUME   399676.050 3748790.043 17.84
   LOCATION L0000544     VOLUME   399676.125 3748781.543 17.83
   LOCATION L0000545     VOLUME   399676.201 3748773.043 17.82
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LOCATION L0000547 VOLUME 399676.352 3748756.044 17.81
LOCATION L0000548 VOLUME 399676.427 3748747.544 17.80
LOCATION L0000549 VOLUME 399676.503 3748739.045 17.73
LOCATION L0000550 VOLUME 399676.578 3748730.545 17.66
LOCATION L0000551 VOLUME 399676.654 3748722.045 17.60
LOCATION L0000552 VOLUME 399676.729 3748713.546 17.56
LOCATION L0000553 VOLUME 399676.805 3748705.046 17.56
LOCATION L0000554 VOLUME 399676.881 3748696.546 17.55
LOCATION L0000555 VOLUME 399676.956 3748688.047 17.55
LOCATION L0000556 VOLUME 399677.032 3748679.547 17.57
LOCATION L0000557 VOLUME 399677.107 3748671.047 17.61
LOCATION L0000558 VOLUME 399677.183 3748662.548 17.64
LOCATION L0000559 VOLUME 399678.308 3748655.062 17.68
LOCATION L0000560 VOLUME 399686.800 3748654.692 17.88
LOCATION L0000561 VOLUME 399695.292 3748654.323 17.93
LOCATION L0000562 VOLUME 399703.784 3748653.954 17.88
LOCATION L0000563 VOLUME 399712.275 3748653.585 17.82
LOCATION L0000564 VOLUME 399720.767 3748653.216 17.78
LOCATION L0000565 VOLUME 399723.794 3748658.502 17.78
LOCATION L0000566 VOLUME 399723.714 3748667.001 17.77
LOCATION L0000567 VOLUME 399723.634 3748675.501 17.77
LOCATION L0000568 VOLUME 399723.554 3748684.001 17.77
LOCATION L0000569 VOLUME 399723.474 3748692.500 17.77
LOCATION L0000570 VOLUME 399723.395 3748701.000 17.78
LOCATION L0000571 VOLUME 399723.315 3748709.499 17.79
LOCATION L0000572 VOLUME 399723.235 3748717.999 17.80
LOCATION L0000573 VOLUME 399723.155 3748726.499 17.84
LOCATION L0000574 VOLUME 399723.075 3748734.998 17.87
LOCATION L0000575 VOLUME 399722.995 3748743.498 17.90
LOCATION L0000576 VOLUME 399722.916 3748751.998 17.93
LOCATION L0000577 VOLUME 399722.836 3748760.497 17.96
LOCATION L0000578 VOLUME 399722.756 3748768.997 17.99
LOCATION L0000579 VOLUME 399722.676 3748777.496 18.03
LOCATION L0000580 VOLUME 399722.596 3748785.996 18.03
LOCATION L0000581 VOLUME 399722.517 3748794.496 18.03
LOCATION L0000582 VOLUME 399716.446 3748797.502 18.08
LOCATION L0000583 VOLUME 399707.985 3748798.315 18.09
LOCATION L0000584 VOLUME 399699.524 3748799.129 18.11
LOCATION L0000585 VOLUME 399691.063 3748799.942 18.11
LOCATION L0000586 VOLUME 399687.475 3748795.499 18.05
LOCATION L0000587 VOLUME 399687.646 3748787.001 18.05
LOCATION L0000588 VOLUME 399687.816 3748778.503 18.05
LOCATION L0000589 VOLUME 399687.987 3748770.005 18.06
LOCATION L0000590 VOLUME 399688.158 3748761.506 18.07
LOCATION L0000591 VOLUME 399688.329 3748753.008 18.09
LOCATION L0000592 VOLUME 399688.500 3748744.510 18.05
LOCATION L0000593 VOLUME 399688.671 3748736.011 17.95
LOCATION L0000594 VOLUME 399688.841 3748727.513 17.85

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   LOCATION L0000595     VOLUME   399689.012 3748719.015 17.74
   LOCATION L0000596     VOLUME   399689.183 3748710.517 17.73
   LOCATION L0000597     VOLUME   399689.354 3748702.018 17.74
   LOCATION L0000598     VOLUME   399689.525 3748693.520 17.74
   LOCATION L0000599     VOLUME   399689.695 3748685.022 17.76
   LOCATION L0000600     VOLUME   399689.866 3748676.523 17.82
   LOCATION L0000601     VOLUME   399690.037 3748668.025 17.88
   LOCATION L0000602     VOLUME   399696.463 3748666.112 17.88
   LOCATION L0000603     VOLUME   399704.959 3748666.377 17.84
   LOCATION L0000604     VOLUME   399711.583 3748668.351 17.80
   LOCATION L0000605     VOLUME   399711.073 3748676.836 17.78
   LOCATION L0000606     VOLUME   399710.563 3748685.321 17.76
   LOCATION L0000607     VOLUME   399710.053 3748693.805 17.77
   LOCATION L0000608     VOLUME   399709.543 3748702.290 17.78
   LOCATION L0000609     VOLUME   399709.033 3748710.775 17.78
   LOCATION L0000610     VOLUME   399708.523 3748719.259 17.80
   LOCATION L0000611     VOLUME   399708.013 3748727.744 17.87
   LOCATION L0000612     VOLUME   399707.503 3748736.229 17.93
   LOCATION L0000613     VOLUME   399706.993 3748744.714 18.01
   LOCATION L0000614     VOLUME   399706.483 3748753.198 18.05
   LOCATION L0000615     VOLUME   399705.973 3748761.683 18.07
   LOCATION L0000616     VOLUME   399705.463 3748770.168 18.08
   LOCATION L0000617     VOLUME   399704.953 3748778.652 18.10
   LOCATION L0000618     VOLUME   399704.443 3748787.137 18.10
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Artesia Blvd
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00001
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 400190.329, 3748608.273, 18.00, 3.11, 3.95
** 399898.360, 3748607.081, 17.97, 3.11, 3.95
** 399253.646, 3748604.698, 18.64, 3.11, 3.95
** ----------------------------------------------------------------------
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   LOCATION L0000904     VOLUME   400177.579 3748608.221 18.12
   LOCATION L0000905     VOLUME   400169.079 3748608.186 18.00
   LOCATION L0000906     VOLUME   400160.579 3748608.152 17.88
   LOCATION L0000907     VOLUME   400152.080 3748608.117 17.76
   LOCATION L0000908     VOLUME   400143.580 3748608.082 17.84
   LOCATION L0000909     VOLUME   400135.080 3748608.047 17.91
   LOCATION L0000910     VOLUME   400126.580 3748608.013 17.99
   LOCATION L0000911     VOLUME   400118.080 3748607.978 17.88
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LOCATION L0000912 VOLUME 400109.580 3748607.943 17.78
LOCATION L0000913 VOLUME 400101.080 3748607.909 17.68
LOCATION L0000914 VOLUME 400092.580 3748607.874 17.77
LOCATION L0000915 VOLUME 400084.080 3748607.839 17.86
LOCATION L0000916 VOLUME 400075.580 3748607.805 17.95
LOCATION L0000917 VOLUME 400067.080 3748607.770 17.93
LOCATION L0000918 VOLUME 400058.580 3748607.735 17.91
LOCATION L0000919 VOLUME 400050.080 3748607.701 17.88
LOCATION L0000920 VOLUME 400041.580 3748607.666 17.87
LOCATION L0000921 VOLUME 400033.080 3748607.631 17.86
LOCATION L0000922 VOLUME 400024.581 3748607.596 17.85
LOCATION L0000923 VOLUME 400016.081 3748607.562 17.86
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LOCATION L0000926 VOLUME 399990.581 3748607.458 17.94
LOCATION L0000927 VOLUME 399982.081 3748607.423 17.99
LOCATION L0000928 VOLUME 399973.581 3748607.388 18.04
LOCATION L0000929 VOLUME 399965.081 3748607.354 18.03
LOCATION L0000930 VOLUME 399956.581 3748607.319 18.02
LOCATION L0000931 VOLUME 399948.081 3748607.284 18.01
LOCATION L0000932 VOLUME 399939.581 3748607.250 18.01
LOCATION L0000933 VOLUME 399931.081 3748607.215 18.01
LOCATION L0000934 VOLUME 399922.581 3748607.180 18.01
LOCATION L0000935 VOLUME 399914.081 3748607.145 17.99
LOCATION L0000936 VOLUME 399905.582 3748607.111 17.96
LOCATION L0000937 VOLUME 399897.082 3748607.077 17.94
LOCATION L0000938 VOLUME 399888.582 3748607.045 17.95
LOCATION L0000939 VOLUME 399880.082 3748607.014 17.96
LOCATION L0000940 VOLUME 399871.582 3748606.982 17.98
LOCATION L0000941 VOLUME 399863.082 3748606.951 17.95
LOCATION L0000942 VOLUME 399854.582 3748606.919 17.90
LOCATION L0000943 VOLUME 399846.082 3748606.888 17.85
LOCATION L0000944 VOLUME 399837.582 3748606.857 17.80
LOCATION L0000945 VOLUME 399829.082 3748606.825 17.74
LOCATION L0000946 VOLUME 399820.582 3748606.794 17.69
LOCATION L0000947 VOLUME 399812.082 3748606.762 17.68
LOCATION L0000948 VOLUME 399803.582 3748606.731 17.69
LOCATION L0000949 VOLUME 399795.082 3748606.699 17.69
LOCATION L0000950 VOLUME 399786.582 3748606.668 17.68
LOCATION L0000951 VOLUME 399778.082 3748606.637 17.67
LOCATION L0000952 VOLUME 399769.582 3748606.605 17.65
LOCATION L0000953 VOLUME 399761.083 3748606.574 17.60
LOCATION L0000954 VOLUME 399752.583 3748606.542 17.54
LOCATION L0000955 VOLUME 399744.083 3748606.511 17.47
LOCATION L0000956 VOLUME 399735.583 3748606.479 17.47
LOCATION L0000957 VOLUME 399727.083 3748606.448 17.50
LOCATION L0000958 VOLUME 399718.583 3748606.417 17.53
LOCATION L0000959 VOLUME 399710.083 3748606.385 17.52
LOCATION L0000960 VOLUME 399701.583 3748606.354 17.50

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LOCATION L0000962 VOLUME 399684.583 3748606.291 17.43
LOCATION L0000963 VOLUME 399676.083 3748606.260 17.36
LOCATION L0000964 VOLUME 399667.583 3748606.228 17.28
LOCATION L0000965 VOLUME 399659.083 3748606.197 17.30
LOCATION L0000966 VOLUME 399650.583 3748606.165 17.36
LOCATION L0000967 VOLUME 399642.083 3748606.134 17.42
LOCATION L0000968 VOLUME 399633.583 3748606.102 17.46
LOCATION L0000969 VOLUME 399625.083 3748606.071 17.50
LOCATION L0000970 VOLUME 399616.584 3748606.040 17.53
LOCATION L0000971 VOLUME 399608.084 3748606.008 17.57
LOCATION L0000972 VOLUME 399599.584 3748605.977 17.61
LOCATION L0000973 VOLUME 399591.084 3748605.945 17.64
LOCATION L0000974 VOLUME 399582.584 3748605.914 17.70
LOCATION L0000975 VOLUME 399574.084 3748605.882 17.78
LOCATION L0000976 VOLUME 399565.584 3748605.851 17.85
LOCATION L0000977 VOLUME 399557.084 3748605.820 17.89
LOCATION L0000978 VOLUME 399548.584 3748605.788 17.89
LOCATION L0000979 VOLUME 399540.084 3748605.757 17.90
LOCATION L0000980 VOLUME 399531.584 3748605.725 17.92
LOCATION L0000981 VOLUME 399523.084 3748605.694 17.95
LOCATION L0000982 VOLUME 399514.584 3748605.662 17.98
LOCATION L0000983 VOLUME 399506.084 3748605.631 18.00
LOCATION L0000984 VOLUME 399497.584 3748605.600 17.99
LOCATION L0000985 VOLUME 399489.084 3748605.568 17.99
LOCATION L0000986 VOLUME 399480.584 3748605.537 18.01
LOCATION L0000987 VOLUME 399472.085 3748605.505 18.05
LOCATION L0000988 VOLUME 399463.585 3748605.474 18.09
LOCATION L0000989 VOLUME 399455.085 3748605.443 18.13
LOCATION L0000990 VOLUME 399446.585 3748605.411 18.15
LOCATION L0000991 VOLUME 399438.085 3748605.380 18.17
LOCATION L0000992 VOLUME 399429.585 3748605.348 18.19
LOCATION L0000993 VOLUME 399421.085 3748605.317 18.22
LOCATION L0000994 VOLUME 399412.585 3748605.285 18.24
LOCATION L0000995 VOLUME 399404.085 3748605.254 18.27
LOCATION L0000996 VOLUME 399395.585 3748605.223 18.31
LOCATION L0000997 VOLUME 399387.085 3748605.191 18.35
LOCATION L0000998 VOLUME 399378.585 3748605.160 18.39
LOCATION L0000999 VOLUME 399370.085 3748605.128 18.41
LOCATION L0001000 VOLUME 399361.585 3748605.097 18.43
LOCATION L0001001 VOLUME 399353.085 3748605.065 18.45
LOCATION L0001002 VOLUME 399344.585 3748605.034 18.48
LOCATION L0001003 VOLUME 399336.085 3748605.003 18.51
LOCATION L0001004 VOLUME 399327.586 3748604.971 18.53
LOCATION L0001005 VOLUME 399319.086 3748604.940 18.54
LOCATION L0001006 VOLUME 399310.586 3748604.908 18.56
LOCATION L0001007 VOLUME 399302.086 3748604.877 18.57
LOCATION L0001008 VOLUME 399293.586 3748604.845 18.58
LOCATION L0001009 VOLUME 399285.086 3748604.814 18.58

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   LOCATION L0001010     VOLUME   399276.586 3748604.783 18.59
   LOCATION L0001011     VOLUME   399268.086 3748604.751 18.61
   LOCATION L0001012     VOLUME   399259.586 3748604.720 18.64
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Fallon Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399656.444, 3748806.097, 17.78, 3.11, 3.95
** 399656.444, 3748620.190, 17.30, 3.11, 3.95
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   LOCATION L0001013     VOLUME   399656.444 3748801.847 17.75
   LOCATION L0001014     VOLUME   399656.444 3748793.347 17.73
   LOCATION L0001015     VOLUME   399656.444 3748784.847 17.70
   LOCATION L0001016     VOLUME   399656.444 3748776.347 17.68
   LOCATION L0001017     VOLUME   399656.444 3748767.847 17.67
   LOCATION L0001018     VOLUME   399656.444 3748759.347 17.65
   LOCATION L0001019     VOLUME   399656.444 3748750.847 17.64
   LOCATION L0001020     VOLUME   399656.444 3748742.347 17.61
   LOCATION L0001021     VOLUME   399656.444 3748733.847 17.58
   LOCATION L0001022     VOLUME   399656.444 3748725.347 17.56
   LOCATION L0001023     VOLUME   399656.444 3748716.847 17.53
   LOCATION L0001024     VOLUME   399656.444 3748708.347 17.52
   LOCATION L0001025     VOLUME   399656.444 3748699.847 17.52
   LOCATION L0001026     VOLUME   399656.444 3748691.347 17.51
   LOCATION L0001027     VOLUME   399656.444 3748682.847 17.52
   LOCATION L0001028     VOLUME   399656.444 3748674.347 17.54
   LOCATION L0001029     VOLUME   399656.444 3748665.847 17.56
   LOCATION L0001030     VOLUME   399656.444 3748657.347 17.58
   LOCATION L0001031     VOLUME   399656.444 3748648.847 17.51
   LOCATION L0001032     VOLUME   399656.444 3748640.347 17.43
   LOCATION L0001033     VOLUME   399656.444 3748631.847 17.36
   LOCATION L0001034     VOLUME   399656.444 3748623.347 17.30
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Pioneer Blvd Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 3.65E-06
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** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399906.702, 3748621.382, 18.01, 3.11, 3.95
** 399905.511, 3748962.211, 20.05, 3.11, 3.95
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   LOCATION L0001036     VOLUME   399906.658 3748634.132 18.03
   LOCATION L0001037     VOLUME   399906.628 3748642.632 18.04
   LOCATION L0001038     VOLUME   399906.598 3748651.132 18.05
   LOCATION L0001039     VOLUME   399906.569 3748659.632 18.09
   LOCATION L0001040     VOLUME   399906.539 3748668.131 18.15
   LOCATION L0001041     VOLUME   399906.509 3748676.631 18.21
   LOCATION L0001042     VOLUME   399906.480 3748685.131 18.26
   LOCATION L0001043     VOLUME   399906.450 3748693.631 18.27
   LOCATION L0001044     VOLUME   399906.420 3748702.131 18.28
   LOCATION L0001045     VOLUME   399906.390 3748710.631 18.29
   LOCATION L0001046     VOLUME   399906.361 3748719.131 18.32
   LOCATION L0001047     VOLUME   399906.331 3748727.631 18.37
   LOCATION L0001048     VOLUME   399906.301 3748736.131 18.42
   LOCATION L0001049     VOLUME   399906.272 3748744.631 18.47
   LOCATION L0001050     VOLUME   399906.242 3748753.131 18.56
   LOCATION L0001051     VOLUME   399906.212 3748761.631 18.65
   LOCATION L0001052     VOLUME   399906.182 3748770.131 18.74
   LOCATION L0001053     VOLUME   399906.153 3748778.631 18.82
   LOCATION L0001054     VOLUME   399906.123 3748787.131 18.83
   LOCATION L0001055     VOLUME   399906.093 3748795.631 18.86
   LOCATION L0001056     VOLUME   399906.063 3748804.131 18.88
   LOCATION L0001057     VOLUME   399906.034 3748812.631 18.90
   LOCATION L0001058     VOLUME   399906.004 3748821.131 18.92
   LOCATION L0001059     VOLUME   399905.974 3748829.630 18.95
   LOCATION L0001060     VOLUME   399905.945 3748838.130 18.97
   LOCATION L0001061     VOLUME   399905.915 3748846.630 19.02
   LOCATION L0001062     VOLUME   399905.885 3748855.130 19.07
   LOCATION L0001063     VOLUME   399905.855 3748863.630 19.11
   LOCATION L0001064     VOLUME   399905.826 3748872.130 19.15
   LOCATION L0001065     VOLUME   399905.796 3748880.630 19.16
   LOCATION L0001066     VOLUME   399905.766 3748889.130 19.18
   LOCATION L0001067     VOLUME   399905.737 3748897.630 19.19
   LOCATION L0001068     VOLUME   399905.707 3748906.130 19.21
   LOCATION L0001069     VOLUME   399905.677 3748914.630 19.23
   LOCATION L0001070     VOLUME   399905.647 3748923.130 19.24
   LOCATION L0001071     VOLUME   399905.618 3748931.630 19.28
   LOCATION L0001072     VOLUME   399905.588 3748940.130 19.70
   LOCATION L0001073     VOLUME   399905.558 3748948.630 20.10
   LOCATION L0001074     VOLUME   399905.529 3748957.130 20.48
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
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SRCPARAM L0000974     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000975     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000976     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000977     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000978     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000979     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000980     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000981     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000982     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000983     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000984     0.00000009091      3.11      3.95      2.89
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   SRCPARAM L0000985     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000986     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000987     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000988     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000989     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000990     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000991     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000992     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000993     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000994     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000995     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000996     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000997     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000998     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000999     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001000     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001001     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001002     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001003     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001004     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001005     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001006     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001007     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001008     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001009     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001010     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001011     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001012     0.00000009091      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001013     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001014     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001015     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001016     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001017     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001018     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001019     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001020     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001021     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001022     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001023     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001024     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001025     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001026     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001027     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001028     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001029     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001030     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001031     0.00000009045      3.11      3.95      2.89
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   SRCPARAM L0001032     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001033     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001034     0.00000009045      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001035     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001036     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001037     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001038     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001039     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001040     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001041     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001042     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001043     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001044     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001045     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001046     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001047     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001048     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001049     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001050     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001051     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001052     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001053     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001054     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001055     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001056     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001057     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001058     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001059     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001060     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001061     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001062     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001063     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001064     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001065     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001066     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001067     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001068     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001069     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001070     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001071     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001072     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001073     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001074     0.00000009125      3.11      3.95      2.89
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
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** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000507     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000508     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000509     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000510     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000511     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000512     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000513     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000514     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000515     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000516     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000517     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000518     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000519     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000520     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000521     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000522     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000523     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000524     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000525     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000526     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000527     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000528     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000529     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000530     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000531     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000532     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000533     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000534     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000535     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000536     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000537     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000538     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000539     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000540     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000541     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000541     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000541     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000542     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000543     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000543     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000544     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000544     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000545     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000545     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000546     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000547     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000968     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000968     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000968     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000969     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000969     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000969     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000969     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001032     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001033     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001034     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001035     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001035     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001036     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001037     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001038     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001039     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001040     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001040     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001041     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001041     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001042     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001042     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001043     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001043     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001044     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001044     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001045     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001045     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001046     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001046     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001047     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0001047     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001048     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001048     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001049     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001049     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001050     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001050     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001051     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001052     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001053     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001053     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001054     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001056     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001057     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001058     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001059     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001061     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001063     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001071     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
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EMISFACT L0001067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
```

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   INCLUDED "Artesia Blvd_SP_Const_T4_revised.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "ARTESIA BLVD_SP_CONST_T4_REVISED.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "ARTESIA BLVD_SP_CONST_T4_REVISED.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "ARTESIA BLVD_SP_CONST_T4_REVISED.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd_SP_Const_T4_revised.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.0
** Lakes Environmental Software Inc.
** Date: 9/2/2022
** File: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\Artesia
Blvd_SP_Const_T4_revised\Artesia Blvd_SP_Const_T4_revised.ADI
**
**************************************
**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Artesia Blvd_SP_Const_T4\Artesia Blvd_SP_Const_
   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd_SP_Const_T4_revised.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.000612655
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
** 399673.872, 3748634.849, 17.77, 3.11, 3.95
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** 399731.273, 3748807.725, 17.89, 3.11, 3.95
** 399675.898, 3748807.050, 18.11, 3.11, 3.95
** 399677.249, 3748655.108, 17.67, 3.11, 3.95
** 399723.844, 3748653.082, 17.79, 3.11, 3.95
** 399722.494, 3748796.920, 18.04, 3.11, 3.95
** 399687.378, 3748800.297, 18.12, 3.11, 3.95
** 399690.080, 3748665.912, 17.88, 3.11, 3.95
** 399711.689, 3748666.588, 17.81, 3.11, 3.95
** 399704.261, 3748790.167, 18.05, 3.11, 3.95
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   LOCATION L0000507     VOLUME   399678.122 3748634.849 17.56
   LOCATION L0000508     VOLUME   399686.622 3748634.849 17.74
   LOCATION L0000509     VOLUME   399695.122 3748634.849 17.82
   LOCATION L0000510     VOLUME   399703.622 3748634.849 17.83
   LOCATION L0000511     VOLUME   399712.122 3748634.849 17.83
   LOCATION L0000512     VOLUME   399720.622 3748634.849 17.79
   LOCATION L0000513     VOLUME   399729.122 3748634.849 17.71
   LOCATION L0000514     VOLUME   399737.622 3748634.849 17.64
   LOCATION L0000515     VOLUME   399738.382 3748642.263 17.67
   LOCATION L0000516     VOLUME   399738.017 3748650.756 17.72
   LOCATION L0000517     VOLUME   399737.653 3748659.248 17.75
   LOCATION L0000518     VOLUME   399737.288 3748667.740 17.76
   LOCATION L0000519     VOLUME   399736.923 3748676.232 17.77
   LOCATION L0000520     VOLUME   399736.558 3748684.724 17.78
   LOCATION L0000521     VOLUME   399736.193 3748693.216 17.78
   LOCATION L0000522     VOLUME   399735.828 3748701.709 17.78
   LOCATION L0000523     VOLUME   399735.463 3748710.201 17.79
   LOCATION L0000524     VOLUME   399735.098 3748718.693 17.80
   LOCATION L0000525     VOLUME   399734.733 3748727.185 17.82
   LOCATION L0000526     VOLUME   399734.369 3748735.677 17.84
   LOCATION L0000527     VOLUME   399734.004 3748744.169 17.86
   LOCATION L0000528     VOLUME   399733.639 3748752.662 17.88
   LOCATION L0000529     VOLUME   399733.274 3748761.154 17.90
   LOCATION L0000530     VOLUME   399732.909 3748769.646 17.92
   LOCATION L0000531     VOLUME   399732.544 3748778.138 17.95
   LOCATION L0000532     VOLUME   399732.179 3748786.630 17.95
   LOCATION L0000533     VOLUME   399731.814 3748795.122 17.95
   LOCATION L0000534     VOLUME   399731.449 3748803.615 17.96
   LOCATION L0000535     VOLUME   399726.887 3748807.671 18.00
   LOCATION L0000536     VOLUME   399718.388 3748807.568 18.07
   LOCATION L0000537     VOLUME   399709.888 3748807.464 18.09
   LOCATION L0000538     VOLUME   399701.389 3748807.360 18.11
   LOCATION L0000539     VOLUME   399692.890 3748807.257 18.12
   LOCATION L0000540     VOLUME   399684.390 3748807.153 18.00
   LOCATION L0000541     VOLUME   399675.898 3748807.042 17.86
   LOCATION L0000542     VOLUME   399675.974 3748798.542 17.85
   LOCATION L0000543     VOLUME   399676.050 3748790.043 17.84
   LOCATION L0000544     VOLUME   399676.125 3748781.543 17.83
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LOCATION L0000546 VOLUME 399676.276 3748764.544 17.82
LOCATION L0000547 VOLUME 399676.352 3748756.044 17.81
LOCATION L0000548 VOLUME 399676.427 3748747.544 17.80
LOCATION L0000549 VOLUME 399676.503 3748739.045 17.73
LOCATION L0000550 VOLUME 399676.578 3748730.545 17.66
LOCATION L0000551 VOLUME 399676.654 3748722.045 17.60
LOCATION L0000552 VOLUME 399676.729 3748713.546 17.56
LOCATION L0000553 VOLUME 399676.805 3748705.046 17.56
LOCATION L0000554 VOLUME 399676.881 3748696.546 17.55
LOCATION L0000555 VOLUME 399676.956 3748688.047 17.55
LOCATION L0000556 VOLUME 399677.032 3748679.547 17.57
LOCATION L0000557 VOLUME 399677.107 3748671.047 17.61
LOCATION L0000558 VOLUME 399677.183 3748662.548 17.64
LOCATION L0000559 VOLUME 399678.308 3748655.062 17.68
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LOCATION L0000568 VOLUME 399723.554 3748684.001 17.77
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LOCATION L0000571 VOLUME 399723.315 3748709.499 17.79
LOCATION L0000572 VOLUME 399723.235 3748717.999 17.80
LOCATION L0000573 VOLUME 399723.155 3748726.499 17.84
LOCATION L0000574 VOLUME 399723.075 3748734.998 17.87
LOCATION L0000575 VOLUME 399722.995 3748743.498 17.90
LOCATION L0000576 VOLUME 399722.916 3748751.998 17.93
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LOCATION L0000578 VOLUME 399722.756 3748768.997 17.99
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LOCATION L0000580 VOLUME 399722.596 3748785.996 18.03
LOCATION L0000581 VOLUME 399722.517 3748794.496 18.03
LOCATION L0000582 VOLUME 399716.446 3748797.502 18.08
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LOCATION L0000585 VOLUME 399691.063 3748799.942 18.11
LOCATION L0000586 VOLUME 399687.475 3748795.499 18.05
LOCATION L0000587 VOLUME 399687.646 3748787.001 18.05
LOCATION L0000588 VOLUME 399687.816 3748778.503 18.05
LOCATION L0000589 VOLUME 399687.987 3748770.005 18.06
LOCATION L0000590 VOLUME 399688.158 3748761.506 18.07
LOCATION L0000591 VOLUME 399688.329 3748753.008 18.09
LOCATION L0000592 VOLUME 399688.500 3748744.510 18.05
LOCATION L0000593 VOLUME 399688.671 3748736.011 17.95

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   LOCATION L0000594     VOLUME   399688.841 3748727.513 17.85
   LOCATION L0000595     VOLUME   399689.012 3748719.015 17.74
   LOCATION L0000596     VOLUME   399689.183 3748710.517 17.73
   LOCATION L0000597     VOLUME   399689.354 3748702.018 17.74
   LOCATION L0000598     VOLUME   399689.525 3748693.520 17.74
   LOCATION L0000599     VOLUME   399689.695 3748685.022 17.76
   LOCATION L0000600     VOLUME   399689.866 3748676.523 17.82
   LOCATION L0000601     VOLUME   399690.037 3748668.025 17.88
   LOCATION L0000602     VOLUME   399696.463 3748666.112 17.88
   LOCATION L0000603     VOLUME   399704.959 3748666.377 17.84
   LOCATION L0000604     VOLUME   399711.583 3748668.351 17.80
   LOCATION L0000605     VOLUME   399711.073 3748676.836 17.78
   LOCATION L0000606     VOLUME   399710.563 3748685.321 17.76
   LOCATION L0000607     VOLUME   399710.053 3748693.805 17.77
   LOCATION L0000608     VOLUME   399709.543 3748702.290 17.78
   LOCATION L0000609     VOLUME   399709.033 3748710.775 17.78
   LOCATION L0000610     VOLUME   399708.523 3748719.259 17.80
   LOCATION L0000611     VOLUME   399708.013 3748727.744 17.87
   LOCATION L0000612     VOLUME   399707.503 3748736.229 17.93
   LOCATION L0000613     VOLUME   399706.993 3748744.714 18.01
   LOCATION L0000614     VOLUME   399706.483 3748753.198 18.05
   LOCATION L0000615     VOLUME   399705.973 3748761.683 18.07
   LOCATION L0000616     VOLUME   399705.463 3748770.168 18.08
   LOCATION L0000617     VOLUME   399704.953 3748778.652 18.10
   LOCATION L0000618     VOLUME   399704.443 3748787.137 18.10
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Artesia Blvd
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00001
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 400190.329, 3748608.273, 18.00, 3.11, 3.95
** 399898.360, 3748607.081, 17.97, 3.11, 3.95
** 399253.646, 3748604.698, 18.64, 3.11, 3.95
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   LOCATION L0000903     VOLUME   400186.079 3748608.256 18.08
   LOCATION L0000904     VOLUME   400177.579 3748608.221 18.12
   LOCATION L0000905     VOLUME   400169.079 3748608.186 18.00
   LOCATION L0000906     VOLUME   400160.579 3748608.152 17.88
   LOCATION L0000907     VOLUME   400152.080 3748608.117 17.76
   LOCATION L0000908     VOLUME   400143.580 3748608.082 17.84
   LOCATION L0000909     VOLUME   400135.080 3748608.047 17.91
   LOCATION L0000910     VOLUME   400126.580 3748608.013 17.99
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LOCATION L0000911 VOLUME 400118.080 3748607.978 17.88
LOCATION L0000912 VOLUME 400109.580 3748607.943 17.78
LOCATION L0000913 VOLUME 400101.080 3748607.909 17.68
LOCATION L0000914 VOLUME 400092.580 3748607.874 17.77
LOCATION L0000915 VOLUME 400084.080 3748607.839 17.86
LOCATION L0000916 VOLUME 400075.580 3748607.805 17.95
LOCATION L0000917 VOLUME 400067.080 3748607.770 17.93
LOCATION L0000918 VOLUME 400058.580 3748607.735 17.91
LOCATION L0000919 VOLUME 400050.080 3748607.701 17.88
LOCATION L0000920 VOLUME 400041.580 3748607.666 17.87
LOCATION L0000921 VOLUME 400033.080 3748607.631 17.86
LOCATION L0000922 VOLUME 400024.581 3748607.596 17.85
LOCATION L0000923 VOLUME 400016.081 3748607.562 17.86
LOCATION L0000924 VOLUME 400007.581 3748607.527 17.88
LOCATION L0000925 VOLUME 399999.081 3748607.492 17.89
LOCATION L0000926 VOLUME 399990.581 3748607.458 17.94
LOCATION L0000927 VOLUME 399982.081 3748607.423 17.99
LOCATION L0000928 VOLUME 399973.581 3748607.388 18.04
LOCATION L0000929 VOLUME 399965.081 3748607.354 18.03
LOCATION L0000930 VOLUME 399956.581 3748607.319 18.02
LOCATION L0000931 VOLUME 399948.081 3748607.284 18.01
LOCATION L0000932 VOLUME 399939.581 3748607.250 18.01
LOCATION L0000933 VOLUME 399931.081 3748607.215 18.01
LOCATION L0000934 VOLUME 399922.581 3748607.180 18.01
LOCATION L0000935 VOLUME 399914.081 3748607.145 17.99
LOCATION L0000936 VOLUME 399905.582 3748607.111 17.96
LOCATION L0000937 VOLUME 399897.082 3748607.077 17.94
LOCATION L0000938 VOLUME 399888.582 3748607.045 17.95
LOCATION L0000939 VOLUME 399880.082 3748607.014 17.96
LOCATION L0000940 VOLUME 399871.582 3748606.982 17.98
LOCATION L0000941 VOLUME 399863.082 3748606.951 17.95
LOCATION L0000942 VOLUME 399854.582 3748606.919 17.90
LOCATION L0000943 VOLUME 399846.082 3748606.888 17.85
LOCATION L0000944 VOLUME 399837.582 3748606.857 17.80
LOCATION L0000945 VOLUME 399829.082 3748606.825 17.74
LOCATION L0000946 VOLUME 399820.582 3748606.794 17.69
LOCATION L0000947 VOLUME 399812.082 3748606.762 17.68
LOCATION L0000948 VOLUME 399803.582 3748606.731 17.69
LOCATION L0000949 VOLUME 399795.082 3748606.699 17.69
LOCATION L0000950 VOLUME 399786.582 3748606.668 17.68
LOCATION L0000951 VOLUME 399778.082 3748606.637 17.67
LOCATION L0000952 VOLUME 399769.582 3748606.605 17.65
LOCATION L0000953 VOLUME 399761.083 3748606.574 17.60
LOCATION L0000954 VOLUME 399752.583 3748606.542 17.54
LOCATION L0000955 VOLUME 399744.083 3748606.511 17.47
LOCATION L0000956 VOLUME 399735.583 3748606.479 17.47
LOCATION L0000957 VOLUME 399727.083 3748606.448 17.50
LOCATION L0000958 VOLUME 399718.583 3748606.417 17.53
LOCATION L0000959 VOLUME 399710.083 3748606.385 17.52

LOCATION L0000960 VOLUME 399701.583 3748606.354 17.50
LOCATION L0000961 VOLUME 399693.083 3748606.322 17.48
LOCATION L0000962 VOLUME 399684.583 3748606.291 17.43
LOCATION L0000963 VOLUME 399676.083 3748606.260 17.36
LOCATION L0000964 VOLUME 399667.583 3748606.228 17.28
LOCATION L0000965 VOLUME 399659.083 3748606.197 17.30
LOCATION L0000966 VOLUME 399650.583 3748606.165 17.36
LOCATION L0000967 VOLUME 399642.083 3748606.134 17.42
LOCATION L0000968 VOLUME 399633.583 3748606.102 17.46
LOCATION L0000969 VOLUME 399625.083 3748606.071 17.50
LOCATION L0000970 VOLUME 399616.584 3748606.040 17.53
LOCATION L0000971 VOLUME 399608.084 3748606.008 17.57
LOCATION L0000972 VOLUME 399599.584 3748605.977 17.61
LOCATION L0000973 VOLUME 399591.084 3748605.945 17.64
LOCATION L0000974 VOLUME 399582.584 3748605.914 17.70
LOCATION L0000975 VOLUME 399574.084 3748605.882 17.78
LOCATION L0000976 VOLUME 399565.584 3748605.851 17.85
LOCATION L0000977 VOLUME 399557.084 3748605.820 17.89
LOCATION L0000978 VOLUME 399548.584 3748605.788 17.89
LOCATION L0000979 VOLUME 399540.084 3748605.757 17.90
LOCATION L0000980 VOLUME 399531.584 3748605.725 17.92
LOCATION L0000981 VOLUME 399523.084 3748605.694 17.95
LOCATION L0000982 VOLUME 399514.584 3748605.662 17.98
LOCATION L0000983 VOLUME 399506.084 3748605.631 18.00
LOCATION L0000984 VOLUME 399497.584 3748605.600 17.99
LOCATION L0000985 VOLUME 399489.084 3748605.568 17.99
LOCATION L0000986 VOLUME 399480.584 3748605.537 18.01
LOCATION L0000987 VOLUME 399472.085 3748605.505 18.05
LOCATION L0000988 VOLUME 399463.585 3748605.474 18.09
LOCATION L0000989 VOLUME 399455.085 3748605.443 18.13
LOCATION L0000990 VOLUME 399446.585 3748605.411 18.15
LOCATION L0000991 VOLUME 399438.085 3748605.380 18.17
LOCATION L0000992 VOLUME 399429.585 3748605.348 18.19
LOCATION L0000993 VOLUME 399421.085 3748605.317 18.22
LOCATION L0000994 VOLUME 399412.585 3748605.285 18.24
LOCATION L0000995 VOLUME 399404.085 3748605.254 18.27
LOCATION L0000996 VOLUME 399395.585 3748605.223 18.31
LOCATION L0000997 VOLUME 399387.085 3748605.191 18.35
LOCATION L0000998 VOLUME 399378.585 3748605.160 18.39
LOCATION L0000999 VOLUME 399370.085 3748605.128 18.41
LOCATION L0001000 VOLUME 399361.585 3748605.097 18.43
LOCATION L0001001 VOLUME 399353.085 3748605.065 18.45
LOCATION L0001002 VOLUME 399344.585 3748605.034 18.48
LOCATION L0001003 VOLUME 399336.085 3748605.003 18.51
LOCATION L0001004 VOLUME 399327.586 3748604.971 18.53
LOCATION L0001005 VOLUME 399319.086 3748604.940 18.54
LOCATION L0001006 VOLUME 399310.586 3748604.908 18.56
LOCATION L0001007 VOLUME 399302.086 3748604.877 18.57
LOCATION L0001008 VOLUME 399293.586 3748604.845 18.58

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   LOCATION L0001009     VOLUME   399285.086 3748604.814 18.58
   LOCATION L0001010     VOLUME   399276.586 3748604.783 18.59
   LOCATION L0001011     VOLUME   399268.086 3748604.751 18.61
   LOCATION L0001012     VOLUME   399259.586 3748604.720 18.64
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Fallon Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399656.444, 3748806.097, 17.78, 3.11, 3.95
** 399656.444, 3748620.190, 17.30, 3.11, 3.95
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   LOCATION L0001013     VOLUME   399656.444 3748801.847 17.75
   LOCATION L0001014     VOLUME   399656.444 3748793.347 17.73
   LOCATION L0001015     VOLUME   399656.444 3748784.847 17.70
   LOCATION L0001016     VOLUME   399656.444 3748776.347 17.68
   LOCATION L0001017     VOLUME   399656.444 3748767.847 17.67
   LOCATION L0001018     VOLUME   399656.444 3748759.347 17.65
   LOCATION L0001019     VOLUME   399656.444 3748750.847 17.64
   LOCATION L0001020     VOLUME   399656.444 3748742.347 17.61
   LOCATION L0001021     VOLUME   399656.444 3748733.847 17.58
   LOCATION L0001022     VOLUME   399656.444 3748725.347 17.56
   LOCATION L0001023     VOLUME   399656.444 3748716.847 17.53
   LOCATION L0001024     VOLUME   399656.444 3748708.347 17.52
   LOCATION L0001025     VOLUME   399656.444 3748699.847 17.52
   LOCATION L0001026     VOLUME   399656.444 3748691.347 17.51
   LOCATION L0001027     VOLUME   399656.444 3748682.847 17.52
   LOCATION L0001028     VOLUME   399656.444 3748674.347 17.54
   LOCATION L0001029     VOLUME   399656.444 3748665.847 17.56
   LOCATION L0001030     VOLUME   399656.444 3748657.347 17.58
   LOCATION L0001031     VOLUME   399656.444 3748648.847 17.51
   LOCATION L0001032     VOLUME   399656.444 3748640.347 17.43
   LOCATION L0001033     VOLUME   399656.444 3748631.847 17.36
   LOCATION L0001034     VOLUME   399656.444 3748623.347 17.30
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Pioneer Blvd Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
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** Emission Rate = 3.65E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399906.702, 3748621.382, 18.01, 3.11, 3.95
** 399905.511, 3748962.211, 20.05, 3.11, 3.95
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   LOCATION L0001035     VOLUME   399906.688 3748625.632 18.02
   LOCATION L0001036     VOLUME   399906.658 3748634.132 18.03
   LOCATION L0001037     VOLUME   399906.628 3748642.632 18.04
   LOCATION L0001038     VOLUME   399906.598 3748651.132 18.05
   LOCATION L0001039     VOLUME   399906.569 3748659.632 18.09
   LOCATION L0001040     VOLUME   399906.539 3748668.131 18.15
   LOCATION L0001041     VOLUME   399906.509 3748676.631 18.21
   LOCATION L0001042     VOLUME   399906.480 3748685.131 18.26
   LOCATION L0001043     VOLUME   399906.450 3748693.631 18.27
   LOCATION L0001044     VOLUME   399906.420 3748702.131 18.28
   LOCATION L0001045     VOLUME   399906.390 3748710.631 18.29
   LOCATION L0001046     VOLUME   399906.361 3748719.131 18.32
   LOCATION L0001047     VOLUME   399906.331 3748727.631 18.37
   LOCATION L0001048     VOLUME   399906.301 3748736.131 18.42
   LOCATION L0001049     VOLUME   399906.272 3748744.631 18.47
   LOCATION L0001050     VOLUME   399906.242 3748753.131 18.56
   LOCATION L0001051     VOLUME   399906.212 3748761.631 18.65
   LOCATION L0001052     VOLUME   399906.182 3748770.131 18.74
   LOCATION L0001053     VOLUME   399906.153 3748778.631 18.82
   LOCATION L0001054     VOLUME   399906.123 3748787.131 18.83
   LOCATION L0001055     VOLUME   399906.093 3748795.631 18.86
   LOCATION L0001056     VOLUME   399906.063 3748804.131 18.88
   LOCATION L0001057     VOLUME   399906.034 3748812.631 18.90
   LOCATION L0001058     VOLUME   399906.004 3748821.131 18.92
   LOCATION L0001059     VOLUME   399905.974 3748829.630 18.95
   LOCATION L0001060     VOLUME   399905.945 3748838.130 18.97
   LOCATION L0001061     VOLUME   399905.915 3748846.630 19.02
   LOCATION L0001062     VOLUME   399905.885 3748855.130 19.07
   LOCATION L0001063     VOLUME   399905.855 3748863.630 19.11
   LOCATION L0001064     VOLUME   399905.826 3748872.130 19.15
   LOCATION L0001065     VOLUME   399905.796 3748880.630 19.16
   LOCATION L0001066     VOLUME   399905.766 3748889.130 19.18
   LOCATION L0001067     VOLUME   399905.737 3748897.630 19.19
   LOCATION L0001068     VOLUME   399905.707 3748906.130 19.21
   LOCATION L0001069     VOLUME   399905.677 3748914.630 19.23
   LOCATION L0001070     VOLUME   399905.647 3748923.130 19.24
   LOCATION L0001071     VOLUME   399905.618 3748931.630 19.28
   LOCATION L0001072     VOLUME   399905.588 3748940.130 19.70
   LOCATION L0001073     VOLUME   399905.558 3748948.630 20.10
   LOCATION L0001074     VOLUME   399905.529 3748957.130 20.48
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
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** LINE VOLUME Source ID = SLINE1
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   SRCPARAM L0000508     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000509     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000510     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000511     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000512     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000513     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000514     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000515     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000516     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000517     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000518     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000519     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000520     0.00000547      3.11      3.95      2.89
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   SRCPARAM L0000522     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000523     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000524     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000525     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000526     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000527     0.00000547      3.11      3.95      2.89
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   SRCPARAM L0000529     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000530     0.00000547      3.11      3.95      2.89
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   SRCPARAM L0000532     0.00000547      3.11      3.95      2.89
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   SRCPARAM L0000543     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000544     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000545     0.00000547      3.11      3.95      2.89
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   SRCPARAM L0000554     0.00000547      3.11      3.95      2.89
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SRCPARAM L0000597     0.00000547      3.11      3.95      2.89
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SRCPARAM L0000599     0.00000547      3.11      3.95      2.89
SRCPARAM L0000600     0.00000547      3.11      3.95      2.89
SRCPARAM L0000601     0.00000547      3.11      3.95      2.89
SRCPARAM L0000602     0.00000547      3.11      3.95      2.89
SRCPARAM L0000603     0.00000547      3.11      3.95      2.89
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   SRCPARAM L0000604     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000605     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000606     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000607     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000608     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000609     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000610     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000611     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000612     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000613     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000614     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000615     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000616     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000617     0.00000547      3.11      3.95      2.89
   SRCPARAM L0000618     0.00000547      3.11      3.95      2.89
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000903     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000904     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000905     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000906     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000907     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000908     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000909     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000910     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000911     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000912     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000913     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000914     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000915     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000916     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000917     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000918     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000919     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000920     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000921     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000922     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000923     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000924     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000925     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000926     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000927     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000928     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000929     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000930     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000931     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000932     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000933     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000934     0.00000009091      3.11      3.95      2.89
```

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SRCPARAM L0000935     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000936     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000937     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000938     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000939     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000940     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000941     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000942     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000943     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000944     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000945     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000946     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000947     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000948     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000949     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000950     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000951     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000952     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000953     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000954     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000955     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000956     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000957     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000958     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000959     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000960     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000961     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000962     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000963     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000964     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000965     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000966     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000967     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000968     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000969     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000970     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000971     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000972     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000973     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000974     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000975     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000976     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000977     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000978     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000979     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000980     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000981     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000982     0.00000009091      3.11      3.95      2.89
SRCPARAM L0000983     0.00000009091      3.11      3.95      2.89
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   SRCPARAM L0000984     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000985     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000986     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000987     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000988     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000989     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000990     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000991     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000992     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000993     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000994     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000995     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000996     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000997     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000998     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0000999     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001000     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001001     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001002     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001003     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001004     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001005     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001006     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001007     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001008     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001009     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001010     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001011     0.00000009091      3.11      3.95      2.89
   SRCPARAM L0001012     0.00000009091      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001013     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001014     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001015     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001016     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001017     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001018     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001019     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001020     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001021     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001022     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001023     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001024     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001025     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001026     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001027     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001028     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001029     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001030     0.00000009045      3.11      3.95      2.89
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   SRCPARAM L0001031     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001032     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001033     0.00000009045      3.11      3.95      2.89
   SRCPARAM L0001034     0.00000009045      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001035     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001036     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001037     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001038     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001039     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001040     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001041     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001042     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001043     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001044     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001045     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001046     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001047     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001048     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001049     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001050     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001051     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001052     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001053     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001054     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001055     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001056     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001057     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001058     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001059     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001060     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001061     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001062     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001063     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001064     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001065     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001066     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001067     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001068     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001069     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001070     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001071     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001072     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001073     0.00000009125      3.11      3.95      2.89
   SRCPARAM L0001074     0.00000009125      3.11      3.95      2.89
** ------------------------------------------------------------------
   URBANSRC ALL
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** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000507     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000508     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000509     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000510     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000511     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000512     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000513     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000514     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000515     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000516     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000517     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000518     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000519     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000520     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000521     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000522     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000523     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000524     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000525     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000526     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000527     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001013     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001014     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001015     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001016     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001017     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0001018     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001019     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001019     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001020     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001020     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001021     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001022     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001023     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001024     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001025     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001026     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001027     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001028     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001029     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001030     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001031     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001032     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001033     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001034     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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EMISFACT L0001035     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001036     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001037     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001038     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001039     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001058     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0001071     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
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RE STARTING
   INCLUDED "Artesia Blvd_SP_Const_T4_revised.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "ARTESIA BLVD_SP_CONST_T4_REVISED.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "ARTESIA BLVD_SP_CONST_T4_REVISED.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "ARTESIA BLVD_SP_CONST_T4_REVISED.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd_SP_Const_T4_revised.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    4130       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
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    0.50
 ME W187    4130       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                           ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   284 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9861224.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10
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 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR
     and Calculates PERIOD Averages

 **This Run Includes:    284 Source(s);       1 Source Group(s); and     478
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    284 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    29.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Artesia Blvd_SP_Const_T4_revised.err
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000507	0	0.54700E-05	399678.1	3748634.8	17.6	3.11	3.95	2.89	YES	HRDOW
L0000508	0	0.54700E-05	399686.6	3748634.8	17.7	3.11	3.95	2.89	YES	HRDOW
L0000509	0	0.54700E-05	399695.1	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000510	0	0.54700E-05	399703.6	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000511	0	0.54700E-05	399712.1	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000512	0	0.54700E-05	399720.6	3748634.8	17.8	3.11	3.95	2.89	YES	HRDOW
L0000513	0	0.54700E-05	399729.1	3748634.8	17.7	3.11	3.95	2.89	YES	HRDOW
L0000514	0	0.54700E-05	399737.6	3748634.8	17.6	3.11	3.95	2.89	YES	HRDOW
L0000515	0	0.54700E-05	399738.4	3748642.3	17.7	3.11	3.95	2.89	YES	HRDOW
L0000516	0	0.54700E-05	399738.0	3748650.8	17.7	3.11	3.95	2.89	YES	HRDOW
L0000517	0	0.54700E-05	399737.7	3748659.2	17.8	3.11	3.95	2.89	YES	HRDOW
L0000518	0	0.54700E-05	399737.3	3748667.7	17.8	3.11	3.95	2.89	YES	HRDOW
L0000519	0	0.54700E-05	399736.9	3748676.2	17.8	3.11	3.95	2.89	YES	HRDOW

L0000520	0	0.54700E-05	399736.6	3748684.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000521	0	0.54700E-05	399736.2	3748693.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000522	0	0.54700E-05	399735.8	3748701.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000523	0	0.54700E-05	399735.5	3748710.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000524	0	0.54700E-05	399735.1	3748718.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000525	0	0.54700E-05	399734.7	3748727.2	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000526	0	0.54700E-05	399734.4	3748735.7	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000527	0	0.54700E-05	399734.0	3748744.2	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000528	0	0.54700E-05	399733.6	3748752.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000529	0	0.54700E-05	399733.3	3748761.2	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000530	0	0.54700E-05	399732.9	3748769.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000531	0	0.54700E-05	399732.5	3748778.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000532	0	0.54700E-05	399732.2	3748786.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000533	0	0.54700E-05	399731.8	3748795.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000534	0	0.54700E-05	399731.4	3748803.6	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000535	0	0.54700E-05	399726.9	3748807.7	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000536	0	0.54700E-05	399718.4	3748807.6	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000537	0	0.54700E-05	399709.9	3748807.5	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000538	0	0.54700E-05	399701.4	3748807.4	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000539	0	0.54700E-05	399692.9	3748807.3	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000540	0	0.54700E-05	399684.4	3748807.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000541	0	0.54700E-05	399675.9	3748807.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000542	0	0.54700E-05	399676.0	3748798.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000543	0	0.54700E-05	399676.0	3748790.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000544	0	0.54700E-05	399676.1	3748781.5	17.8	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000547	0	0.54700E-05	399676.4	3748756.0	17.8	3.11	3.95	2.89	YES	HRDOW
L0000548	0	0.54700E-05	399676.4	3748747.5	17.8	3.11	3.95	2.89	YES	HRDOW
L0000549	0	0.54700E-05	399676.5	3748739.0	17.7	3.11	3.95	2.89	YES	HRDOW
L0000550	0	0.54700E-05	399676.6	3748730.5	17.7	3.11	3.95	2.89	YES	HRDOW
L0000551	0	0.54700E-05	399676.7	3748722.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000552	0	0.54700E-05	399676.7	3748713.5	17.6	3.11	3.95	2.89	YES	HRDOW
L0000553	0	0.54700E-05	399676.8	3748705.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000554	0	0.54700E-05	399676.9	3748696.5	17.6	3.11	3.95	2.89	YES	HRDOW
L0000555	0	0.54700E-05	399677.0	3748688.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000556	0	0.54700E-05	399677.0	3748679.5	17.6	3.11	3.95	2.89	YES	HRDOW
L0000557	0	0.54700E-05	399677.1	3748671.0	17.6	3.11	3.95	2.89	YES	HRDOW
L0000558	0	0.54700E-05	399677.2	3748662.5	17.6	3.11	3.95	2.89	YES	HRDOW

L0000559	0	0.54700E-05	399678.3	3748655.1	17.7	3.11	3.95	2.89
YES	HRDOW							
L0000560	0	0.54700E-05	399686.8	3748654.7	17.9	3.11	3.95	2.89
YES	HRDOW							
L0000561	0	0.54700E-05	399695.3	3748654.3	17.9	3.11	3.95	2.89
YES	HRDOW							
L0000562	0	0.54700E-05	399703.8	3748654.0	17.9	3.11	3.95	2.89
YES	HRDOW							
L0000563	0	0.54700E-05	399712.3	3748653.6	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000564	0	0.54700E-05	399720.8	3748653.2	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000565	0	0.54700E-05	399723.8	3748658.5	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000566	0	0.54700E-05	399723.7	3748667.0	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000567	0	0.54700E-05	399723.6	3748675.5	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000568	0	0.54700E-05	399723.6	3748684.0	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000569	0	0.54700E-05	399723.5	3748692.5	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000570	0	0.54700E-05	399723.4	3748701.0	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000571	0	0.54700E-05	399723.3	3748709.5	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000572	0	0.54700E-05	399723.2	3748718.0	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000573	0	0.54700E-05	399723.2	3748726.5	17.8	3.11	3.95	2.89
YES	HRDOW							
L0000574	0	0.54700E-05	399723.1	3748735.0	17.9	3.11	3.95	2.89
YES	HRDOW							
L0000575	0	0.54700E-05	399723.0	3748743.5	17.9	3.11	3.95	2.89
YES	HRDOW							
L0000576	0	0.54700E-05	399722.9	3748752.0	17.9	3.11	3.95	2.89
YES	HRDOW							
L0000577	0	0.54700E-05	399722.8	3748760.5	18.0	3.11	3.95	2.89
YES	HRDOW							
L0000578	0	0.54700E-05	399722.8	3748769.0	18.0	3.11	3.95	2.89
YES	HRDOW							
L0000579	0	0.54700E-05	399722.7	3748777.5	18.0	3.11	3.95	2.89
YES	HRDOW							
L0000580	0	0.54700E-05	399722.6	3748786.0	18.0	3.11	3.95	2.89
YES	HRDOW							
L0000581	0	0.54700E-05	399722.5	3748794.5	18.0	3.11	3.95	2.89
YES	HRDOW							
L0000582	0	0.54700E-05	399716.4	3748797.5	18.1	3.11	3.95	2.89
YES	HRDOW							
L0000583	0	0.54700E-05	399708.0	3748798.3	18.1	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000587	0	0.54700E-05	399687.6	3748787.0	18.1	3.11	3.95	2.89	YES	HRDOW
L0000588	0	0.54700E-05	399687.8	3748778.5	18.1	3.11	3.95	2.89	YES	HRDOW
L0000589	0	0.54700E-05	399688.0	3748770.0	18.1	3.11	3.95	2.89	YES	HRDOW
L0000590	0	0.54700E-05	399688.2	3748761.5	18.1	3.11	3.95	2.89	YES	HRDOW
L0000591	0	0.54700E-05	399688.3	3748753.0	18.1	3.11	3.95	2.89	YES	HRDOW
L0000592	0	0.54700E-05	399688.5	3748744.5	18.1	3.11	3.95	2.89	YES	HRDOW
L0000593	0	0.54700E-05	399688.7	3748736.0	17.9	3.11	3.95	2.89	YES	HRDOW
L0000594	0	0.54700E-05	399688.8	3748727.5	17.9	3.11	3.95	2.89	YES	HRDOW
L0000595	0	0.54700E-05	399689.0	3748719.0	17.7	3.11	3.95	2.89	YES	HRDOW
L0000596	0	0.54700E-05	399689.2	3748710.5	17.7	3.11	3.95	2.89	YES	HRDOW
L0000597	0	0.54700E-05	399689.4	3748702.0	17.7	3.11	3.95	2.89	YES	HRDOW

L0000598	0	0.54700E-05	399689.5	3748693.5	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0000599	0	0.54700E-05	399689.7	3748685.0	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000600	0	0.54700E-05	399689.9	3748676.5	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000601	0	0.54700E-05	399690.0	3748668.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000602	0	0.54700E-05	399696.5	3748666.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000603	0	0.54700E-05	399705.0	3748666.4	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000604	0	0.54700E-05	399711.6	3748668.4	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000605	0	0.54700E-05	399711.1	3748676.8	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000606	0	0.54700E-05	399710.6	3748685.3	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000607	0	0.54700E-05	399710.1	3748693.8	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000608	0	0.54700E-05	399709.5	3748702.3	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000609	0	0.54700E-05	399709.0	3748710.8	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000610	0	0.54700E-05	399708.5	3748719.3	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000611	0	0.54700E-05	399708.0	3748727.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000612	0	0.54700E-05	399707.5	3748736.2	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000613	0	0.54700E-05	399707.0	3748744.7	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000614	0	0.54700E-05	399706.5	3748753.2	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000615	0	0.54700E-05	399706.0	3748761.7	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000616	0	0.54700E-05	399705.5	3748770.2	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000617	0	0.54700E-05	399705.0	3748778.7	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000618	0	0.54700E-05	399704.4	3748787.1	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000903	0	0.90910E-07	400186.1	3748608.3	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000904	0	0.90910E-07	400177.6	3748608.2	18.1	3.11	3.95	
2.89	YES	HRDOW						
L0000905	0	0.90910E-07	400169.1	3748608.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000906	0	0.90910E-07	400160.6	3748608.2	17.9	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000911	0	0.90910E-07	400118.1	3748608.0	17.9	3.11	3.95	2.89	YES	HRDOW
L0000912	0	0.90910E-07	400109.6	3748607.9	17.8	3.11	3.95	2.89	YES	HRDOW
L0000913	0	0.90910E-07	400101.1	3748607.9	17.7	3.11	3.95	2.89	YES	HRDOW
L0000914	0	0.90910E-07	400092.6	3748607.9	17.8	3.11	3.95	2.89	YES	HRDOW
L0000915	0	0.90910E-07	400084.1	3748607.8	17.9	3.11	3.95	2.89	YES	HRDOW
L0000916	0	0.90910E-07	400075.6	3748607.8	17.9	3.11	3.95	2.89	YES	HRDOW
L0000917	0	0.90910E-07	400067.1	3748607.8	17.9	3.11	3.95	2.89	YES	HRDOW
L0000918	0	0.90910E-07	400058.6	3748607.7	17.9	3.11	3.95	2.89	YES	HRDOW
L0000919	0	0.90910E-07	400050.1	3748607.7	17.9	3.11	3.95	2.89	YES	HRDOW
L0000920	0	0.90910E-07	400041.6	3748607.7	17.9	3.11	3.95	2.89	YES	HRDOW

L0000921	0	0.90910E-07	400033.1	3748607.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000922	0	0.90910E-07	400024.6	3748607.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000923	0	0.90910E-07	400016.1	3748607.6	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000924	0	0.90910E-07	400007.6	3748607.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000925	0	0.90910E-07	399999.1	3748607.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000926	0	0.90910E-07	399990.6	3748607.5	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000927	0	0.90910E-07	399982.1	3748607.4	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000928	0	0.90910E-07	399973.6	3748607.4	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000929	0	0.90910E-07	399965.1	3748607.4	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000930	0	0.90910E-07	399956.6	3748607.3	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000931	0	0.90910E-07	399948.1	3748607.3	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000932	0	0.90910E-07	399939.6	3748607.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000933	0	0.90910E-07	399931.1	3748607.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000934	0	0.90910E-07	399922.6	3748607.2	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000935	0	0.90910E-07	399914.1	3748607.1	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000936	0	0.90910E-07	399905.6	3748607.1	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000937	0	0.90910E-07	399897.1	3748607.1	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000938	0	0.90910E-07	399888.6	3748607.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000939	0	0.90910E-07	399880.1	3748607.0	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000940	0	0.90910E-07	399871.6	3748607.0	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000941	0	0.90910E-07	399863.1	3748607.0	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000942	0	0.90910E-07	399854.6	3748606.9	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000943	0	0.90910E-07	399846.1	3748606.9	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000944	0	0.90910E-07	399837.6	3748606.9	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000945	0	0.90910E-07	399829.1	3748606.8	17.7	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000951	0	0.90910E-07	399778.1	3748606.6	17.7	3.11	3.95	2.89	YES	HRDOW
L0000952	0	0.90910E-07	399769.6	3748606.6	17.7	3.11	3.95	2.89	YES	HRDOW
L0000953	0	0.90910E-07	399761.1	3748606.6	17.6	3.11	3.95	2.89	YES	HRDOW
L0000954	0	0.90910E-07	399752.6	3748606.5	17.5	3.11	3.95	2.89	YES	HRDOW
L0000955	0	0.90910E-07	399744.1	3748606.5	17.5	3.11	3.95	2.89	YES	HRDOW
L0000956	0	0.90910E-07	399735.6	3748606.5	17.5	3.11	3.95	2.89	YES	HRDOW
L0000957	0	0.90910E-07	399727.1	3748606.4	17.5	3.11	3.95	2.89	YES	HRDOW
L0000958	0	0.90910E-07	399718.6	3748606.4	17.5	3.11	3.95	2.89	YES	HRDOW
L0000959	0	0.90910E-07	399710.1	3748606.4	17.5	3.11	3.95	2.89	YES	HRDOW

L0000960	0	0.90910E-07	399701.6	3748606.4	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000961	0	0.90910E-07	399693.1	3748606.3	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000962	0	0.90910E-07	399684.6	3748606.3	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000963	0	0.90910E-07	399676.1	3748606.3	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000964	0	0.90910E-07	399667.6	3748606.2	17.3	3.11	3.95	
2.89	YES	HRDOW						
L0000965	0	0.90910E-07	399659.1	3748606.2	17.3	3.11	3.95	
2.89	YES	HRDOW						
L0000966	0	0.90910E-07	399650.6	3748606.2	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000967	0	0.90910E-07	399642.1	3748606.1	17.4	3.11	3.95	
2.89	YES	HRDOW						
L0000968	0	0.90910E-07	399633.6	3748606.1	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000969	0	0.90910E-07	399625.1	3748606.1	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000970	0	0.90910E-07	399616.6	3748606.0	17.5	3.11	3.95	
2.89	YES	HRDOW						
L0000971	0	0.90910E-07	399608.1	3748606.0	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0000972	0	0.90910E-07	399599.6	3748606.0	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0000973	0	0.90910E-07	399591.1	3748605.9	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0000974	0	0.90910E-07	399582.6	3748605.9	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0000975	0	0.90910E-07	399574.1	3748605.9	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0000976	0	0.90910E-07	399565.6	3748605.9	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000977	0	0.90910E-07	399557.1	3748605.8	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000978	0	0.90910E-07	399548.6	3748605.8	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000979	0	0.90910E-07	399540.1	3748605.8	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000980	0	0.90910E-07	399531.6	3748605.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000981	0	0.90910E-07	399523.1	3748605.7	17.9	3.11	3.95	
2.89	YES	HRDOW						
L0000982	0	0.90910E-07	399514.6	3748605.7	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000983	0	0.90910E-07	399506.1	3748605.6	18.0	3.11	3.95	
2.89	YES	HRDOW						
L0000984	0	0.90910E-07	399497.6	3748605.6	18.0	3.11	3.95	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000991	0	0.90910E-07	399438.1	3748605.4	18.2	3.11	3.95	2.89	YES	HRDOW
L0000992	0	0.90910E-07	399429.6	3748605.3	18.2	3.11	3.95	2.89	YES	HRDOW
L0000993	0	0.90910E-07	399421.1	3748605.3	18.2	3.11	3.95	2.89	YES	HRDOW
L0000994	0	0.90910E-07	399412.6	3748605.3	18.2	3.11	3.95	2.89	YES	HRDOW
L0000995	0	0.90910E-07	399404.1	3748605.3	18.3	3.11	3.95	2.89	YES	HRDOW
L0000996	0	0.90910E-07	399395.6	3748605.2	18.3	3.11	3.95	2.89	YES	HRDOW
L0000997	0	0.90910E-07	399387.1	3748605.2	18.4	3.11	3.95	2.89	YES	HRDOW
L0000998	0	0.90910E-07	399378.6	3748605.2	18.4	3.11	3.95	2.89	YES	HRDOW

L0000999	0	0.90910E-07	399370.1	3748605.1	18.4	3.11	3.95	
2.89	YES	HRDOW						
L0001000	0	0.90910E-07	399361.6	3748605.1	18.4	3.11	3.95	
2.89	YES	HRDOW						
L0001001	0	0.90910E-07	399353.1	3748605.1	18.4	3.11	3.95	
2.89	YES	HRDOW						
L0001002	0	0.90910E-07	399344.6	3748605.0	18.5	3.11	3.95	
2.89	YES	HRDOW						
L0001003	0	0.90910E-07	399336.1	3748605.0	18.5	3.11	3.95	
2.89	YES	HRDOW						
L0001004	0	0.90910E-07	399327.6	3748605.0	18.5	3.11	3.95	
2.89	YES	HRDOW						
L0001005	0	0.90910E-07	399319.1	3748604.9	18.5	3.11	3.95	
2.89	YES	HRDOW						
L0001006	0	0.90910E-07	399310.6	3748604.9	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001007	0	0.90910E-07	399302.1	3748604.9	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001008	0	0.90910E-07	399293.6	3748604.8	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001009	0	0.90910E-07	399285.1	3748604.8	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001010	0	0.90910E-07	399276.6	3748604.8	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001011	0	0.90910E-07	399268.1	3748604.8	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001012	0	0.90910E-07	399259.6	3748604.7	18.6	3.11	3.95	
2.89	YES	HRDOW						
L0001013	0	0.90450E-07	399656.4	3748801.8	17.8	3.11	3.95	
2.89	YES	HRDOW						
L0001014	0	0.90450E-07	399656.4	3748793.3	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0001015	0	0.90450E-07	399656.4	3748784.8	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0001016	0	0.90450E-07	399656.4	3748776.3	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0001017	0	0.90450E-07	399656.4	3748767.8	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0001018	0	0.90450E-07	399656.4	3748759.3	17.7	3.11	3.95	
2.89	YES	HRDOW						
L0001019	0	0.90450E-07	399656.4	3748750.8	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0001020	0	0.90450E-07	399656.4	3748742.3	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0001021	0	0.90450E-07	399656.4	3748733.8	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0001022	0	0.90450E-07	399656.4	3748725.3	17.6	3.11	3.95	
2.89	YES	HRDOW						
L0001023	0	0.90450E-07	399656.4	3748716.8	17.5	3.11	3.95	

2.89   YES   HRDOW
 L0001024   0   0.90450E-07 399656.4 3748708.3   17.5   3.11   3.95
2.89   YES   HRDOW
 L0001025   0   0.90450E-07 399656.4 3748699.8   17.5   3.11   3.95
2.89   YES   HRDOW
 L0001026   0   0.90450E-07 399656.4 3748691.3   17.5   3.11   3.95
2.89   YES   HRDOW
 L0001027   0   0.90450E-07 399656.4 3748682.8   17.5   3.11   3.95
2.89   YES   HRDOW
 L0001028   0   0.90450E-07 399656.4 3748674.3   17.5   3.11   3.95
2.89   YES   HRDOW
 L0001029   0   0.90450E-07 399656.4 3748665.8   17.6   3.11   3.95
2.89   YES   HRDOW
 L0001030   0   0.90450E-07 399656.4 3748657.3   17.6   3.11   3.95
2.89   YES   HRDOW

                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0001031   0   0.90450E-07 399656.4 3748648.8   17.5   3.11   3.95
2.89   YES   HRDOW
 L0001032   0   0.90450E-07 399656.4 3748640.3   17.4   3.11   3.95
2.89   YES   HRDOW
 L0001033   0   0.90450E-07 399656.4 3748631.8   17.4   3.11   3.95
2.89   YES   HRDOW
 L0001034   0   0.90450E-07 399656.4 3748623.3   17.3   3.11   3.95
2.89   YES   HRDOW
 L0001035   0   0.91250E-07 399906.7 3748625.6   18.0   3.11   3.95
2.89   YES   HRDOW
 L0001036   0   0.91250E-07 399906.7 3748634.1   18.0   3.11   3.95
2.89   YES   HRDOW
 L0001037   0   0.91250E-07 399906.6 3748642.6   18.0   3.11   3.95
2.89   YES   HRDOW

L0001038	0	0.91250E-07	399906.6	3748651.1	18.1	3.11	3.95	2.89
YES	HRDOW							
L0001039	0	0.91250E-07	399906.6	3748659.6	18.1	3.11	3.95	2.89
YES	HRDOW							
L0001040	0	0.91250E-07	399906.5	3748668.1	18.2	3.11	3.95	2.89
YES	HRDOW							
L0001041	0	0.91250E-07	399906.5	3748676.6	18.2	3.11	3.95	2.89
YES	HRDOW							
L0001042	0	0.91250E-07	399906.5	3748685.1	18.3	3.11	3.95	2.89
YES	HRDOW							
L0001043	0	0.91250E-07	399906.5	3748693.6	18.3	3.11	3.95	2.89
YES	HRDOW							
L0001044	0	0.91250E-07	399906.4	3748702.1	18.3	3.11	3.95	2.89
YES	HRDOW							
L0001045	0	0.91250E-07	399906.4	3748710.6	18.3	3.11	3.95	2.89
YES	HRDOW							
L0001046	0	0.91250E-07	399906.4	3748719.1	18.3	3.11	3.95	2.89
YES	HRDOW							
L0001047	0	0.91250E-07	399906.3	3748727.6	18.4	3.11	3.95	2.89
YES	HRDOW							
L0001048	0	0.91250E-07	399906.3	3748736.1	18.4	3.11	3.95	2.89
YES	HRDOW							
L0001049	0	0.91250E-07	399906.3	3748744.6	18.5	3.11	3.95	2.89
YES	HRDOW							
L0001050	0	0.91250E-07	399906.2	3748753.1	18.6	3.11	3.95	2.89
YES	HRDOW							
L0001051	0	0.91250E-07	399906.2	3748761.6	18.7	3.11	3.95	2.89
YES	HRDOW							
L0001052	0	0.91250E-07	399906.2	3748770.1	18.7	3.11	3.95	2.89
YES	HRDOW							
L0001053	0	0.91250E-07	399906.2	3748778.6	18.8	3.11	3.95	2.89
YES	HRDOW							
L0001054	0	0.91250E-07	399906.1	3748787.1	18.8	3.11	3.95	2.89
YES	HRDOW							
L0001055	0	0.91250E-07	399906.1	3748795.6	18.9	3.11	3.95	2.89
YES	HRDOW							
L0001056	0	0.91250E-07	399906.1	3748804.1	18.9	3.11	3.95	2.89
YES	HRDOW							
L0001057	0	0.91250E-07	399906.0	3748812.6	18.9	3.11	3.95	2.89
YES	HRDOW							
L0001058	0	0.91250E-07	399906.0	3748821.1	18.9	3.11	3.95	2.89
YES	HRDOW							
L0001059	0	0.91250E-07	399906.0	3748829.6	18.9	3.11	3.95	2.89
YES	HRDOW							
L0001060	0	0.91250E-07	399905.9	3748838.1	19.0	3.11	3.95	2.89
YES	HRDOW							
L0001061	0	0.91250E-07	399905.9	3748846.6	19.0	3.11	3.95	2.89
YES	HRDOW							
L0001062	0	0.91250E-07	399905.9	3748855.1	19.1	3.11	3.95	

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2.89     YES   HRDOW
 L0001063         0   0.91250E-07  399905.9 3748863.6    19.1     3.11     3.95
2.89     YES   HRDOW
 L0001064         0   0.91250E-07  399905.8 3748872.1    19.2     3.11     3.95
2.89     YES   HRDOW
 L0001065         0   0.91250E-07  399905.8 3748880.6    19.2     3.11     3.95
2.89     YES   HRDOW
 L0001066         0   0.91250E-07  399905.8 3748889.1    19.2     3.11     3.95
2.89     YES   HRDOW
 L0001067         0   0.91250E-07  399905.7 3748897.6    19.2     3.11     3.95
2.89     YES   HRDOW
 L0001068         0   0.91250E-07  399905.7 3748906.1    19.2     3.11     3.95
2.89     YES   HRDOW
 L0001069         0   0.91250E-07  399905.7 3748914.6    19.2     3.11     3.95
2.89     YES   HRDOW
 L0001070         0   0.91250E-07  399905.6 3748923.1    19.2     3.11     3.95
2.89     YES   HRDOW
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                   BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ      SOURCE  SCALAR VARY
     ID         CATS.              (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 L0001071         0   0.91250E-07  399905.6 3748931.6    19.3     3.11     3.95
2.89     YES   HRDOW
 L0001072         0   0.91250E-07  399905.6 3748940.1    19.7     3.11     3.95
2.89     YES   HRDOW
 L0001073         0   0.91250E-07  399905.6 3748948.6    20.1     3.11     3.95
2.89     YES   HRDOW
 L0001074         0   0.91250E-07  399905.5 3748957.1    20.5     3.11     3.95
2.89     YES   HRDOW
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 , L0000513 , L0000514 ,
	L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 , L0000522 ,
	L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 , L0000530 ,
	L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 , L0000537 , L0000538 ,
	L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 , L0000546 ,
	L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 , L0000554 ,
	L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561 , L0000562 ,
	L0000563 , L0000564 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569 , L0000570 ,
	L0000571 , L0000572 , L0000573 , L0000574 , L0000575 , L0000576 , L0000577 , L0000578 ,
	L0000579 , L0000580 , L0000581 , L0000582 , L0000583 , L0000584 , L0000585 , L0000586 ,
	L0000587 , L0000588 , L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 ,
	L0000595 , L0000596 , L0000597 , L0000598 , L0000599 , L0000600 , L0000601 , L0000602 ,
	L0000603 , L0000604 , L0000605 , L0000606 , L0000607 , L0000608 , L0000609 , L0000610 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0000951 , L0000952 , L0000953 , L0000954 , L0000955 ,
L0000956 , L0000957 , L0000958 ,

L0000959 , L0000960 , L0000961 , L0000962 , L0000963 ,
L0000964 , L0000965 , L0000966 ,

L0000967 , L0000968 , L0000969 , L0000970 , L0000971 ,
L0000972 , L0000973 , L0000974 ,

L0000975 , L0000976 , L0000977 , L0000978 , L0000979 ,
L0000980 , L0000981 , L0000982 ,

L0000983 , L0000984 , L0000985 , L0000986 , L0000987 ,

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L0000988    , L0000989    , L0000990    ,

            L0000991    , L0000992    , L0000993    , L0000994    , L0000995    ,
L0000996    , L0000997    , L0000998    ,

            L0000999    , L0001000    , L0001001    , L0001002    , L0001003    ,
L0001004    , L0001005    , L0001006    ,

            L0001007    , L0001008    , L0001009    , L0001010    , L0001011    ,
L0001012    , L0001013    , L0001014    ,

            L0001015    , L0001016    , L0001017    , L0001018    , L0001019    ,
L0001020    , L0001021    , L0001022    ,

            L0001023    , L0001024    , L0001025    , L0001026    , L0001027    ,
L0001028    , L0001029    , L0001030    ,

            L0001031    , L0001032    , L0001033    , L0001034    , L0001035    ,
L0001036    , L0001037    , L0001038    ,

            L0001039    , L0001040    , L0001041    , L0001042    , L0001043    ,
L0001044    , L0001045    , L0001046    ,

            L0001047    , L0001048    , L0001049    , L0001050    , L0001051    ,
L0001052    , L0001053    , L0001054    ,

            L0001055    , L0001056    , L0001057    , L0001058    , L0001059    ,
L0001060    , L0001061    , L0001062    ,

            L0001063    , L0001064    , L0001065    , L0001066    , L0001067    ,
L0001068    , L0001069    , L0001070    ,

            L0001071    , L0001072    , L0001073    , L0001074    ,
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                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                  SOURCE IDs
  --------   ---------                                  ----------
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             9861224.   L0000507    , L0000508    , L0000509    , L0000510    ,
L0000511    , L0000512    , L0000513    ,
 L0000514    ,

             L0000515    , L0000516    , L0000517    , L0000518    , L0000519    ,
L0000520    , L0000521    , L0000522    ,

             L0000523    , L0000524    , L0000525    , L0000526    , L0000527    ,
L0000528    , L0000529    , L0000530    ,

             L0000531    , L0000532    , L0000533    , L0000534    , L0000535    ,
L0000536    , L0000537    , L0000538    ,

             L0000539    , L0000540    , L0000541    , L0000542    , L0000543    ,
L0000544    , L0000545    , L0000546    ,

             L0000547    , L0000548    , L0000549    , L0000550    , L0000551    ,
L0000552    , L0000553    , L0000554    ,

             L0000555    , L0000556    , L0000557    , L0000558    , L0000559    ,
L0000560    , L0000561    , L0000562    ,

             L0000563    , L0000564    , L0000565    , L0000566    , L0000567    ,
L0000568    , L0000569    , L0000570    ,

             L0000571    , L0000572    , L0000573    , L0000574    , L0000575    ,
L0000576    , L0000577    , L0000578    ,

             L0000579    , L0000580    , L0000581    , L0000582    , L0000583    ,
L0000584    , L0000585    , L0000586    ,

             L0000587    , L0000588    , L0000589    , L0000590    , L0000591    ,
L0000592    , L0000593    , L0000594    ,

             L0000595    , L0000596    , L0000597    , L0000598    , L0000599    ,
L0000600    , L0000601    , L0000602    ,

             L0000603    , L0000604    , L0000605    , L0000606    , L0000607    ,
L0000608    , L0000609    , L0000610    ,

             L0000611    , L0000612    , L0000613    , L0000614    , L0000615    ,
L0000616    , L0000617    , L0000618    ,

             L0000903    , L0000904    , L0000905    , L0000906    , L0000907    ,
L0000908    , L0000909    , L0000910    ,

             L0000911    , L0000912    , L0000913    , L0000914    , L0000915    ,
L0000916    , L0000917    , L0000918    ,
```

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0000951   , L0000952   , L0000953   , L0000954   , L0000955   ,
L0000956   , L0000957   , L0000958   ,

             L0000959   , L0000960   , L0000961   , L0000962   , L0000963   ,
L0000964   , L0000965   , L0000966   ,

             L0000967   , L0000968   , L0000969   , L0000970   , L0000971   ,
L0000972   , L0000973   , L0000974   ,

             L0000975   , L0000976   , L0000977   , L0000978   , L0000979   ,
L0000980   , L0000981   , L0000982   ,

             L0000983   , L0000984   , L0000985   , L0000986   , L0000987   ,
L0000988   , L0000989   , L0000990   ,

             L0000991   , L0000992   , L0000993   , L0000994   , L0000995   ,
L0000996   , L0000997   , L0000998   ,

             L0000999   , L0001000   , L0001001   , L0001002   , L0001003   ,
L0001004   , L0001005   , L0001006   ,

             L0001007   , L0001008   , L0001009   , L0001010   , L0001011   ,

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L0001012    , L0001013    , L0001014    ,

            L0001015    , L0001016    , L0001017    , L0001018    , L0001019    ,
L0001020    , L0001021    , L0001022    ,

            L0001023    , L0001024    , L0001025    , L0001026    , L0001027    ,
L0001028    , L0001029    , L0001030    ,

            L0001031    , L0001032    , L0001033    , L0001034    , L0001035    ,
L0001036    , L0001037    , L0001038    ,

            L0001039    , L0001040    , L0001041    , L0001042    , L0001043    ,
L0001044    , L0001045    , L0001046    ,

            L0001047    , L0001048    , L0001049    , L0001050    , L0001051    ,
L0001052    , L0001053    , L0001054    ,

            L0001055    , L0001056    , L0001057    , L0001058    , L0001059    ,
L0001060    , L0001061    , L0001062    ,

            L0001063    , L0001064    , L0001065    , L0001066    , L0001067    ,
L0001068    , L0001069    , L0001070    ,

            L0001071    , L0001072    , L0001073    , L0001074    ,
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000507     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000508   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000509 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000510 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000511     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000512     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000513     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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```
 SOURCE ID = L0000514     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000515     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000516     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000517 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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 SOURCE ID = L0000518     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000519     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000520   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000521     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000522   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000523   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000524     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000525     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000526 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000527 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:32:00

                                PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000528     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000529     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000530 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000531 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000532     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000533     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  41
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000534 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000535 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000536     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000537     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000538 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

↟ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ *** 09/02/22
*** AERMET - VERSION 16216 *** ***
*** 09:32:00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000539 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000540     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000541     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000542 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000543 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01								
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000544 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01								
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000545   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000546 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000547 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000548   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000549     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
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 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000550     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000551     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000552 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000553     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
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Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000554     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000555     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000556   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000557   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000558 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000559 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000560     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000561     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000562     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
```

```
 SOURCE ID = L0000563     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000564     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000565     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000566 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000567     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000568     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000569   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000570   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000571   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000572   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000573     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000574     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01

14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000577   ; SOURCE TYPE = VOLUME   :

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000578     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000579 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000580 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000581     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000582     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  90
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000583     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000584     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000585   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000586     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000587 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000588 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                  PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000589     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000590     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000591 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000592 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000593 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000594   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000595 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000596 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000597 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000598   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000599   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000600   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000601 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000602     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
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Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000603     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000604     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000605 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000606   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000607 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000608 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000609     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000610 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000611     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000612     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000613     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000614     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000615   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000616     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000617     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000618   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000903     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000904   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000905   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000906     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000907     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000908 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000909 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000910     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000911     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000912 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000913 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000914     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000915     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 139
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000916 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000917 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000918     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000919   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000920 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000921 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000922     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000923     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000924 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000925 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000926 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000927   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000928 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000929 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000930   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000931   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 155
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000932     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 156
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000933     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000934 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000935     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
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Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 159
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000936     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 160
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000937     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000938   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000939   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000940 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000941 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000942     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000943 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000944     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
```

```
 SOURCE ID = L0000945     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000946     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000947     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000948 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000949     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000950     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000951   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000952   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000953   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000954   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000955   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 179
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000956     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000957     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 181
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000958     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 182
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000959     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 183
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000960     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 184
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000961 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000962 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 186
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000963     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000964     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000965 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000966 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000967   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000968   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000969 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000970 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000971     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000972     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000973 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000974 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000975   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                  PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000976     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000977 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000978 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000979   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000980   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000981   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000982   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000983 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 207
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000984     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000985   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000986   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000987   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000988   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000989 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000990 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                   PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000991     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000992 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 216
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000993     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
```

```
 SOURCE ID = L0000994     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 218
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000995     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000996     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000997 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000998     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 222
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000999     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001000   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001001     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

SOURCE ID = L0001002 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001003 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 227
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001004     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 228
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 229
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001006 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001007 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001008     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

```
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001009     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                 PAGE 233
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001010 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001011 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001012     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 236
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001013     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001014     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001015     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001016     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001017   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001018   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001019   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -
DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001021     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001022 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001023 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001024 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                  PAGE 248
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001025     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001026 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001027 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001028   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001029   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0001030   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0001031   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

 -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001032 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
 -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 256
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001033     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
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Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 257
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001034     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 258
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001035     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001036 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001037   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001038 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001039 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001040 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001041 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001042     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 266
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0001043     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                PAGE 267
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001044     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001045 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 269
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001046     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 270
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0001047     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 271
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001048     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001049   ; SOURCE TYPE = VOLUME   :

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 273
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001050     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 274
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0001051   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001052   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 276
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001053     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 277
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001054     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                 PAGE 278
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001055 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001056 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0001057   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

```
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 281
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001058     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 282
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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SOURCE ID = L0001059 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001060 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 284
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001061     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 285
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001062     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001063     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 287
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001064     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001065     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001066     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001067 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001068 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 292
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001069     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 293
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001070     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001071 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001072 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

```
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 296
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0001073     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001074 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399370.3, 3748667.1, 18.5, 18.5, 0.0); (399405.3, 3748667.1, 18.5, 18.5, 0.0);
(399440.3, 3748667.1, 18.3, 18.3, 0.0); (399614.5, 3748666.4, 18.1, 18.1, 0.0);
(399370.3, 3748702.1, 18.5, 18.5, 0.0); (399405.3, 3748702.1, 18.4, 18.4, 0.0);
(399440.3, 3748702.1, 18.4, 18.4, 0.0); (399614.5, 3748701.4, 18.0, 18.0, 0.0);
(399370.3, 3748737.1, 18.5, 18.5, 0.0); (399405.3, 3748737.1, 18.6, 18.6, 0.0);
(399440.3, 3748737.1, 18.3, 18.3, 0.0); (399614.5, 3748736.4, 18.0, 18.0, 0.0);
(399370.3, 3748772.1, 18.6, 18.6, 0.0); (399405.3, 3748772.1, 18.6, 18.6, 0.0);
(399440.3, 3748772.1, 18.3, 18.3, 0.0); (399614.5, 3748771.4, 18.2, 18.2, 0.0);
(399370.3, 3748807.1, 18.7, 18.7, 0.0); (399405.3, 3748807.1, 18.5, 18.5, 0.0);
(399440.3, 3748807.1, 18.3, 18.3, 0.0); (399614.5, 3748806.4, 18.1, 18.1, 0.0);
(399370.3, 3748842.1, 18.7, 18.7, 0.0); (399405.3, 3748842.1, 18.6, 18.6, 0.0);
(399440.3, 3748842.1, 18.5, 18.5, 0.0); (399370.3, 3748877.1, 18.8, 18.8, 0.0);
(399405.3, 3748877.1, 18.6, 18.6, 0.0); (399440.3, 3748877.1, 18.4, 18.4, 0.0);
(399418.0, 3749014.6, 19.5, 19.5, 0.0); (399441.0, 3749014.6, 19.5, 19.5, 0.0);
(399418.0, 3749049.6, 18.8, 18.8, 0.0); (399441.0, 3749049.6, 18.7, 18.7, 0.0);
(399464.0, 3749049.6, 18.7, 18.7, 0.0); (399487.0, 3749049.6, 18.6, 18.6, 0.0);
(399510.0, 3749049.6, 18.6, 18.6, 0.0); (399533.0, 3749049.6, 18.5, 18.5, 0.0);
(399556.0, 3749049.6, 18.4, 18.4, 0.0); (399579.0, 3749049.6, 18.4, 18.4, 0.0);
(399602.0, 3749049.6, 18.5, 18.5, 0.0); (399625.0, 3749049.6, 18.7, 18.7, 0.0);
(399648.0, 3749049.6, 19.0, 19.0, 0.0); (399671.0, 3749049.6, 19.1, 19.1, 0.0);

```
     ( 399694.0, 3749049.6,      19.2,      19.2,       0.0);         ( 399717.0,
3749049.6,      19.2,      19.2,       0.0);
     ( 399740.0, 3749049.6,      19.2,      19.2,       0.0);         ( 399763.0,
3749049.6,      19.3,      25.2,       0.0);
     ( 399786.0, 3749049.6,      19.3,      25.6,       0.0);         ( 399809.0,
3749049.6,      19.4,      25.9,       0.0);
     ( 399832.0, 3749049.6,      19.5,      26.2,       0.0);         ( 399855.0,
3749049.6,      19.7,      26.3,       0.0);
     ( 399878.0, 3749049.6,      19.8,      26.3,       0.0);         ( 399303.0,
3749084.6,      19.1,      19.1,       0.0);
     ( 399326.0, 3749084.6,      18.9,      18.9,       0.0);         ( 399349.0,
3749084.6,      18.7,      18.7,       0.0);
     ( 399372.0, 3749084.6,      18.6,      18.6,       0.0);         ( 399395.0,
3749084.6,      18.7,      18.7,       0.0);
     ( 399418.0, 3749084.6,      19.2,      19.2,       0.0);         ( 399441.0,
3749084.6,      19.1,      19.1,       0.0);
     ( 399464.0, 3749084.6,      19.1,      19.1,       0.0);         ( 399487.0,
3749084.6,      19.2,      19.2,       0.0);
     ( 399510.0, 3749084.6,      19.1,      19.1,       0.0);         ( 399533.0,
3749084.6,      19.0,      19.0,       0.0);
     ( 399556.0, 3749084.6,      19.0,      19.0,       0.0);         ( 399579.0,
3749084.6,      18.8,      18.8,       0.0);
     ( 399625.0, 3749084.6,      18.7,      18.7,       0.0);         ( 399648.0,
3749084.6,      18.9,      18.9,       0.0);
     ( 399671.0, 3749084.6,      18.9,      18.9,       0.0);         ( 399694.0,
3749084.6,      18.9,      18.9,       0.0);
     ( 399717.0, 3749084.6,      19.0,      19.0,       0.0);         ( 399740.0,
3749084.6,      19.2,      19.2,       0.0);
     ( 399763.0, 3749084.6,      19.4,      19.4,       0.0);         ( 399786.0,
3749084.6,      19.4,      19.4,       0.0);
     ( 399809.0, 3749084.6,      19.5,      19.5,       0.0);         ( 399832.0,
3749084.6,      19.7,      19.7,       0.0);
     ( 399855.0, 3749084.6,      19.7,      19.7,       0.0);         ( 399878.0,
3749084.6,      19.7,      19.7,       0.0);
     ( 400085.0, 3749084.6,      18.7,      18.7,       0.0);         ( 399303.0,
3749119.6,      19.3,      19.3,       0.0);
     ( 399326.0, 3749119.6,      19.4,      19.4,       0.0);         ( 399349.0,
3749119.6,      19.4,      19.4,       0.0);
     ( 399372.0, 3749119.6,      19.2,      19.2,       0.0);         ( 399395.0,
3749119.6,      18.9,      18.9,       0.0);
     ( 399418.0, 3749119.6,      18.8,      18.8,       0.0);         ( 399441.0,
3749119.6,      19.0,      19.0,       0.0);
     ( 399464.0, 3749119.6,      19.2,      19.2,       0.0);         ( 399487.0,
3749119.6,      19.1,      19.1,       0.0);
     ( 399510.0, 3749119.6,      19.0,      19.0,       0.0);         ( 399533.0,
3749119.6,      19.0,      19.0,       0.0);
     ( 399556.0, 3749119.6,      19.0,      19.0,       0.0);         ( 399579.0,
3749119.6,      18.9,      18.9,       0.0);
     ( 399625.0, 3749119.6,      18.8,      18.8,       0.0);         ( 399648.0,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399671.0, 3749119.6, 19.2, 19.2, 0.0); (399694.0, 3749119.6, 19.2, 19.2, 0.0);
(399717.0, 3749119.6, 19.3, 19.3, 0.0); (399740.0, 3749119.6, 19.5, 19.5, 0.0);
(399763.0, 3749119.6, 19.7, 19.7, 0.0); (399786.0, 3749119.6, 19.8, 19.8, 0.0);
(399809.0, 3749119.6, 19.8, 19.8, 0.0); (399832.0, 3749119.6, 19.9, 19.9, 0.0);
(399855.0, 3749119.6, 19.9, 19.9, 0.0); (399878.0, 3749119.6, 19.8, 19.8, 0.0);
(400039.0, 3749119.6, 19.1, 19.1, 0.0); (400062.0, 3749119.6, 19.1, 19.1, 0.0);
(400085.0, 3749119.6, 18.9, 18.9, 0.0); (399303.0, 3749154.6, 19.5, 19.5, 0.0);
(399326.0, 3749154.6, 19.6, 19.6, 0.0); (399349.0, 3749154.6, 19.5, 19.5, 0.0);
(399372.0, 3749154.6, 19.3, 19.3, 0.0); (399395.0, 3749154.6, 19.1, 19.1, 0.0);
(399418.0, 3749154.6, 19.2, 19.2, 0.0); (399441.0, 3749154.6, 19.2, 19.2, 0.0);
(399464.0, 3749154.6, 19.2, 19.2, 0.0); (399487.0, 3749154.6, 19.3, 19.3, 0.0);
(399510.0, 3749154.6, 19.2, 19.2, 0.0); (399533.0, 3749154.6, 19.1, 19.1, 0.0);
(399556.0, 3749154.6, 19.1, 19.1, 0.0); (399579.0, 3749154.6, 18.8, 18.8, 0.0);
(399625.0, 3749154.6, 18.5, 18.5, 0.0); (399648.0, 3749154.6, 18.6, 18.6, 0.0);
(399671.0, 3749154.6, 18.7, 18.7, 0.0); (399694.0, 3749154.6, 18.7, 18.7, 0.0);
(399717.0, 3749154.6, 19.0, 19.0, 0.0); (399740.0, 3749154.6, 19.1, 19.1, 0.0);
(399763.0, 3749154.6, 19.3, 19.3, 0.0); (399786.0, 3749154.6, 19.5, 19.5, 0.0);
(399809.0, 3749154.6, 19.6, 19.6, 0.0); (399832.0, 3749154.6, 19.7, 19.7, 0.0);

```
     ( 399855.0, 3749154.6,      19.8,      19.8,       0.0);         ( 399878.0,
3749154.6,      19.9,      19.9,       0.0);
     ( 399924.0, 3749154.6,      19.7,      19.7,       0.0);         ( 399947.0,
3749154.6,      19.6,      19.6,       0.0);
     ( 399970.0, 3749154.6,      19.2,      19.2,       0.0);         ( 399993.0,
3749154.6,      19.0,      19.0,       0.0);
     ( 400016.0, 3749154.6,      19.0,      19.0,       0.0);         ( 400039.0,
3749154.6,      18.9,      18.9,       0.0);
     ( 400062.0, 3749154.6,      18.9,      18.9,       0.0);         ( 400085.0,
3749154.6,      18.9,      18.9,       0.0);
     ( 399303.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399326.0,
3749189.6,      19.7,      19.7,       0.0);
     ( 399349.0, 3749189.6,      19.6,      19.6,       0.0);         ( 399372.0,
3749189.6,      19.5,      19.5,       0.0);
     ( 399395.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399418.0,
3749189.6,      19.4,      19.4,       0.0);
     ( 399441.0, 3749189.6,      19.4,      19.4,       0.0);         ( 399464.0,
3749189.6,      19.5,      19.5,       0.0);
     ( 399487.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399510.0,
3749189.6,      19.8,      19.8,       0.0);
     ( 399533.0, 3749189.6,      19.8,      19.8,       0.0);         ( 399556.0,
3749189.6,      19.6,      19.6,       0.0);
     ( 399579.0, 3749189.6,      19.1,      19.1,       0.0);         ( 399625.0,
3749189.6,      19.1,      19.1,       0.0);
     ( 399648.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399671.0,
3749189.6,      19.2,      19.2,       0.0);
     ( 399694.0, 3749189.6,      19.3,      19.3,       0.0);         ( 399717.0,
3749189.6,      19.5,      19.5,       0.0);
     ( 399740.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399763.0,
3749189.6,      19.4,      19.4,       0.0);
     ( 399786.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399809.0,
3749189.6,      19.8,      19.8,       0.0);
     ( 399832.0, 3749189.6,      19.8,      19.8,       0.0);         ( 399855.0,
3749189.6,      20.0,      20.0,       0.0);
     ( 399878.0, 3749189.6,      20.0,      20.0,       0.0);         ( 400016.0,
3749189.6,      19.0,      19.0,       0.0);
     ( 400039.0, 3749189.6,      19.0,      19.0,       0.0);         ( 400062.0,
3749189.6,      18.9,      18.9,       0.0);
     ( 400085.0, 3749189.6,      18.9,      18.9,       0.0);         ( 399303.0,
3749224.6,      19.9,      19.9,       0.0);
     ( 399326.0, 3749224.6,      19.7,      19.7,       0.0);         ( 399349.0,
3749224.6,      19.6,      19.6,       0.0);
     ( 399372.0, 3749224.6,      19.5,      19.5,       0.0);         ( 399395.0,
3749224.6,      19.3,      19.3,       0.0);
     ( 399418.0, 3749224.6,      19.4,      19.4,       0.0);         ( 399441.0,
3749224.6,      19.5,      19.5,       0.0);
     ( 399464.0, 3749224.6,      19.6,      19.6,       0.0);         ( 399487.0,
3749224.6,      19.7,      19.7,       0.0);
     ( 399510.0, 3749224.6,      19.9,      19.9,       0.0);         ( 399533.0,
```

3749224.6,   20.1,   20.1,   0.0);
     (399556.0, 3749224.6,   20.1,   20.1,   0.0);   (399579.0,
3749224.6,   19.5,   19.5,   0.0);
     (399625.0, 3749224.6,   19.1,   19.1,   0.0);   (399648.0,
3749224.6,   19.2,   19.2,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399671.0, 3749224.6,   19.3,   19.3,   0.0);   (399694.0,
3749224.6,   19.5,   19.5,   0.0);
     (399717.0, 3749224.6,   19.8,   19.8,   0.0);   (399740.0,
3749224.6,   19.7,   19.7,   0.0);
     (399763.0, 3749224.6,   19.8,   19.8,   0.0);   (399786.0,
3749224.6,   19.9,   19.9,   0.0);
     (399809.0, 3749224.6,   19.9,   19.9,   0.0);   (399832.0,
3749224.6,   20.0,   20.0,   0.0);
     (399855.0, 3749224.6,   20.1,   20.1,   0.0);   (399878.0,
3749224.6,   20.0,   20.0,   0.0);
     (400016.0, 3749224.6,   19.2,   19.2,   0.0);   (400039.0,
3749224.6,   19.2,   19.2,   0.0);
     (400062.0, 3749224.6,   19.2,   19.2,   0.0);   (400085.0,
3749224.6,   19.2,   19.2,   0.0);
     (400112.3, 3748645.8,   17.9,   17.9,   0.0);   (400147.3,
3748645.8,   18.2,   18.2,   0.0);
     (400182.3, 3748645.8,   18.2,   18.2,   0.0);   (400217.3,
3748645.8,   18.2,   18.2,   0.0);
     (400252.3, 3748645.8,   18.0,   18.0,   0.0);   (400287.3,
3748645.8,   17.6,   17.6,   0.0);
     (400322.3, 3748645.8,   18.1,   18.1,   0.0);   (400357.3,
3748645.8,   17.5,   17.5,   0.0);
     (400392.3, 3748645.8,   17.7,   17.7,   0.0);   (400112.3,
3748680.8,   18.2,   18.2,   0.0);
     (400147.3, 3748680.8,   18.4,   18.4,   0.0);   (400182.3,
3748680.8,   18.0,   18.0,   0.0);
     (400217.3, 3748680.8,   18.1,   18.1,   0.0);   (400252.3,
3748680.8,   18.1,   18.1,   0.0);
     (400287.3, 3748680.8,   17.7,   17.7,   0.0);   (400322.3,
3748680.8,   18.1,   18.1,   0.0);
     (400357.3, 3748680.8,   17.5,   17.5,   0.0);   (400392.3,
3748680.8,   17.9,   17.9,   0.0);

```
     ( 400112.3, 3748715.8,      18.3,      18.3,       0.0);         ( 400147.3,
3748715.8,      18.4,      18.4,       0.0);
     ( 400182.3, 3748715.8,      18.1,      18.1,       0.0);         ( 400217.3,
3748715.8,      18.5,      18.5,       0.0);
     ( 400252.3, 3748715.8,      18.4,      18.4,       0.0);         ( 400287.3,
3748715.8,      17.8,      17.8,       0.0);
     ( 400322.3, 3748715.8,      18.2,      18.2,       0.0);         ( 400357.3,
3748715.8,      17.6,      17.6,       0.0);
     ( 400392.3, 3748715.8,      18.1,      18.1,       0.0);         ( 400112.3,
3748750.8,      18.4,      18.4,       0.0);
     ( 400147.3, 3748750.8,      18.7,      18.7,       0.0);         ( 400182.3,
3748750.8,      18.2,      18.2,       0.0);
     ( 400217.3, 3748750.8,      18.4,      18.4,       0.0);         ( 400252.3,
3748750.8,      18.3,      18.3,       0.0);
     ( 400287.3, 3748750.8,      18.0,      18.0,       0.0);         ( 400322.3,
3748750.8,      18.2,      18.2,       0.0);
     ( 400357.3, 3748750.8,      17.8,      17.8,       0.0);         ( 400392.3,
3748750.8,      18.1,      18.1,       0.0);
     ( 400112.3, 3748785.8,      18.5,      18.5,       0.0);         ( 400147.3,
3748785.8,      18.5,      18.5,       0.0);
     ( 400182.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400217.3,
3748785.8,      18.3,      18.3,       0.0);
     ( 400252.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400287.3,
3748785.8,      18.6,      18.6,       0.0);
     ( 400322.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400357.3,
3748785.8,      18.0,      18.0,       0.0);
     ( 400392.3, 3748785.8,      17.8,      17.8,       0.0);         ( 400112.3,
3748820.8,      18.6,      18.6,       0.0);
     ( 400147.3, 3748820.8,      18.6,      18.6,       0.0);         ( 400182.3,
3748820.8,      18.5,      18.5,       0.0);
     ( 400217.3, 3748820.8,      18.5,      18.5,       0.0);         ( 400252.3,
3748820.8,      18.7,      18.7,       0.0);
     ( 400287.3, 3748820.8,      18.7,      18.7,       0.0);         ( 400322.3,
3748820.8,      18.6,      18.6,       0.0);
     ( 400357.3, 3748820.8,      18.1,      18.1,       0.0);         ( 400392.3,
3748820.8,      17.8,      17.8,       0.0);
     ( 400112.3, 3748855.8,      18.7,      18.7,       0.0);         ( 400147.3,
3748855.8,      18.7,      18.7,       0.0);
     ( 400182.3, 3748855.8,      18.6,      18.6,       0.0);         ( 400217.3,
3748855.8,      18.6,      18.6,       0.0);
     ( 400252.3, 3748855.8,      18.7,      18.7,       0.0);         ( 400287.3,
3748855.8,      18.7,      18.7,       0.0);
     ( 400322.3, 3748855.8,      18.5,      18.5,       0.0);         ( 400357.3,
3748855.8,      18.2,      18.2,       0.0);
     ( 400392.3, 3748855.8,      17.9,      17.9,       0.0);         ( 400112.3,
3748890.8,      18.8,      18.8,       0.0);
     ( 400147.3, 3748890.8,      18.8,      18.8,       0.0);         ( 400182.3,
3748890.8,      18.8,      18.8,       0.0);
     ( 400217.3, 3748890.8,      18.7,      18.7,       0.0);         ( 400252.3,
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3748890.8,      18.6,      18.6,       0.0);
     ( 400287.3, 3748890.8,      18.5,      18.5,       0.0);         ( 400322.3,
3748890.8,      18.4,      18.4,       0.0);
     ( 400357.3, 3748890.8,      18.1,      18.1,       0.0);         ( 400392.3,
3748890.8,      18.0,      18.0,       0.0);
     ( 400112.3, 3748925.8,      18.9,      24.1,       0.0);         ( 400147.3,
3748925.8,      18.9,      22.7,       0.0);
     ( 400182.3, 3748925.8,      18.9,      18.9,       0.0);         ( 400217.3,
3748925.8,      18.8,      18.8,       0.0);
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 301
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 400252.3, 3748925.8,      18.8,      18.8,       0.0);         ( 400287.3,
3748925.8,      18.6,      18.6,       0.0);
     ( 400322.3, 3748925.8,      18.6,      18.6,       0.0);         ( 400357.3,
3748925.8,      18.4,      18.4,       0.0);
     ( 400392.3, 3748925.8,      18.5,      18.5,       0.0);         ( 399468.0,
3748222.3,      17.4,      17.4,       0.0);
     ( 399503.0, 3748222.3,      17.4,      17.4,       0.0);         ( 399538.0,
3748222.3,      17.5,      17.5,       0.0);
     ( 399573.0, 3748222.3,      17.4,      17.4,       0.0);         ( 399608.0,
3748222.3,      17.3,      17.3,       0.0);
     ( 399643.0, 3748222.3,      17.3,      17.3,       0.0);         ( 399678.0,
3748222.3,      17.0,      17.0,       0.0);
     ( 399713.0, 3748222.3,      17.1,      17.1,       0.0);         ( 399748.0,
3748222.3,      17.2,      17.2,       0.0);
     ( 399783.0, 3748222.3,      17.4,      17.4,       0.0);         ( 399818.0,
3748222.3,      17.9,      17.9,       0.0);
     ( 399853.0, 3748222.3,      17.8,      17.8,       0.0);         ( 399888.0,
3748222.3,      17.1,      17.1,       0.0);
     ( 399923.0, 3748222.3,      17.2,      17.2,       0.0);         ( 399958.0,
3748222.3,      17.3,      17.3,       0.0);
     ( 399993.0, 3748222.3,      17.4,      17.4,       0.0);         ( 400028.0,
3748222.3,      17.5,      17.5,       0.0);
     ( 400063.0, 3748222.3,      17.3,      17.3,       0.0);         ( 400098.0,
3748222.3,      17.3,      17.3,       0.0);
     ( 400133.0, 3748222.3,      17.1,      17.1,       0.0);         ( 400168.0,
3748222.3,      17.0,      17.0,       0.0);
     ( 399468.0, 3748257.3,      17.5,      17.5,       0.0);         ( 399503.0,
3748257.3,      17.6,      17.6,       0.0);
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     ( 399538.0, 3748257.3,      17.7,      17.7,       0.0);         ( 399573.0,
3748257.3,      17.5,      17.5,       0.0);
     ( 399608.0, 3748257.3,      17.4,      17.4,       0.0);         ( 399643.0,
3748257.3,      17.4,      17.4,       0.0);
     ( 399678.0, 3748257.3,      17.2,      17.2,       0.0);         ( 399713.0,
3748257.3,      17.2,      17.2,       0.0);
     ( 399748.0, 3748257.3,      17.2,      17.2,       0.0);         ( 399783.0,
3748257.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748257.3,      17.4,      17.4,       0.0);         ( 399853.0,
3748257.3,      17.8,      17.8,       0.0);
     ( 399888.0, 3748257.3,      17.2,      17.2,       0.0);         ( 399923.0,
3748257.3,      17.2,      17.2,       0.0);
     ( 399958.0, 3748257.3,      17.3,      17.3,       0.0);         ( 399993.0,
3748257.3,      17.6,      17.6,       0.0);
     ( 400028.0, 3748257.3,      17.9,      17.9,       0.0);         ( 400063.0,
3748257.3,      17.5,      17.5,       0.0);
     ( 400098.0, 3748257.3,      17.6,      17.6,       0.0);         ( 400133.0,
3748257.3,      17.2,      17.2,       0.0);
     ( 400168.0, 3748257.3,      17.0,      17.0,       0.0);         ( 399468.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399503.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399538.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399573.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399608.0,
3748292.3,      17.4,      17.4,       0.0);
     ( 399643.0, 3748292.3,      17.5,      17.5,       0.0);         ( 399678.0,
3748292.3,      17.3,      17.3,       0.0);
     ( 399713.0, 3748292.3,      17.1,      17.1,       0.0);         ( 399748.0,
3748292.3,      17.3,      17.3,       0.0);
     ( 399783.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399818.0,
3748292.3,      17.7,      17.7,       0.0);
     ( 399853.0, 3748292.3,      17.7,      17.7,       0.0);         ( 399888.0,
3748292.3,      17.2,      17.2,       0.0);
     ( 399923.0, 3748292.3,      17.2,      17.2,       0.0);         ( 399958.0,
3748292.3,      17.4,      17.4,       0.0);
     ( 399993.0, 3748292.3,      17.8,      17.8,       0.0);         ( 400028.0,
3748292.3,      18.1,      18.1,       0.0);
     ( 400063.0, 3748292.3,      17.7,      17.7,       0.0);         ( 400098.0,
3748292.3,      17.7,      17.7,       0.0);
     ( 400133.0, 3748292.3,      17.3,      17.3,       0.0);         ( 400168.0,
3748292.3,      17.0,      17.0,       0.0);
     ( 399468.0, 3748327.3,      17.7,      17.7,       0.0);         ( 399503.0,
3748327.3,      17.6,      17.6,       0.0);
     ( 399538.0, 3748327.3,      17.6,      17.6,       0.0);         ( 399573.0,
3748327.3,      17.6,      17.6,       0.0);
     ( 399608.0, 3748327.3,      17.4,      17.4,       0.0);         ( 399643.0,
3748327.3,      17.5,      17.5,       0.0);
     ( 399678.0, 3748327.3,      17.5,      17.5,       0.0);         ( 399713.0,
3748327.3,      17.2,      17.2,       0.0);
     ( 399748.0, 3748327.3,      17.4,      17.4,       0.0);         ( 399783.0,
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3748327.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748327.3,      17.7,      17.7,       0.0);         ( 399853.0,
3748327.3,      17.8,      17.8,       0.0);
     ( 399888.0, 3748327.3,      17.3,      17.3,       0.0);         ( 399923.0,
3748327.3,      17.3,      17.3,       0.0);
     ( 399958.0, 3748327.3,      17.4,      17.4,       0.0);         ( 399993.0,
3748327.3,      17.6,      17.6,       0.0);
     ( 400028.0, 3748327.3,      17.7,      17.7,       0.0);         ( 400063.0,
3748327.3,      17.7,      17.7,       0.0);
     ( 400098.0, 3748327.3,      17.8,      17.8,       0.0);         ( 400133.0,
3748327.3,      17.4,      17.4,       0.0);
     ( 400168.0, 3748327.3,      17.2,      17.2,       0.0);         ( 399468.0,
3748362.3,      17.7,      17.7,       0.0);
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 302
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 399503.0, 3748362.3,      17.7,      17.7,       0.0);         ( 399538.0,
3748362.3,      17.5,      17.5,       0.0);
     ( 399573.0, 3748362.3,      17.6,      17.6,       0.0);         ( 399608.0,
3748362.3,      17.4,      17.4,       0.0);
     ( 399643.0, 3748362.3,      17.5,      17.5,       0.0);         ( 399678.0,
3748362.3,      17.7,      17.7,       0.0);
     ( 399713.0, 3748362.3,      17.2,      17.2,       0.0);         ( 399748.0,
3748362.3,      17.4,      17.4,       0.0);
     ( 399783.0, 3748362.3,      17.5,      17.5,       0.0);         ( 399818.0,
3748362.3,      17.7,      17.7,       0.0);
     ( 399853.0, 3748362.3,      17.8,      17.8,       0.0);         ( 399888.0,
3748362.3,      17.4,      17.4,       0.0);
     ( 399923.0, 3748362.3,      17.2,      17.2,       0.0);         ( 399958.0,
3748362.3,      17.4,      17.4,       0.0);
     ( 399993.0, 3748362.3,      17.5,      17.5,       0.0);         ( 400028.0,
3748362.3,      17.5,      17.5,       0.0);
     ( 400063.0, 3748362.3,      17.6,      17.6,       0.0);         ( 400098.0,
3748362.3,      17.6,      17.6,       0.0);
     ( 400133.0, 3748362.3,      17.6,      17.6,       0.0);         ( 400168.0,
3748362.3,      17.1,      17.1,       0.0);
     ( 399468.0, 3748397.3,      17.9,      17.9,       0.0);         ( 399503.0,
3748397.3,      17.8,      17.8,       0.0);
     ( 399538.0, 3748397.3,      17.7,      17.7,       0.0);         ( 399573.0,
3748397.3,      17.8,      17.8,       0.0);
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     ( 399608.0, 3748397.3,      17.6,      17.6,       0.0);         ( 399643.0,
3748397.3,      17.4,      17.4,       0.0);
     ( 399678.0, 3748397.3,      17.6,      17.6,       0.0);         ( 399713.0,
3748397.3,      17.3,      17.3,       0.0);
     ( 399748.0, 3748397.3,      17.4,      17.4,       0.0);         ( 399783.0,
3748397.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748397.3,      17.5,      17.5,       0.0);         ( 399853.0,
3748397.3,      17.6,      17.6,       0.0);
     ( 399888.0, 3748397.3,      17.4,      17.4,       0.0);         ( 399923.0,
3748397.3,      17.4,      17.4,       0.0);
     ( 399958.0, 3748397.3,      17.4,      17.4,       0.0);         ( 399993.0,
3748397.3,      17.6,      17.6,       0.0);
     ( 400028.0, 3748397.3,      17.7,      17.7,       0.0);         ( 400063.0,
3748397.3,      18.0,      18.0,       0.0);
     ( 400098.0, 3748397.3,      17.9,      17.9,       0.0);         ( 400133.0,
3748397.3,      17.9,      17.9,       0.0);
     ( 400168.0, 3748397.3,      17.9,      17.9,       0.0);         ( 399468.0,
3748432.3,      18.0,      18.0,       0.0);
     ( 399503.0, 3748432.3,      17.9,      17.9,       0.0);         ( 399538.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399573.0, 3748432.3,      17.8,      17.8,       0.0);         ( 399608.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399643.0, 3748432.3,      17.6,      17.6,       0.0);         ( 399678.0,
3748432.3,      17.8,      17.8,       0.0);
     ( 399713.0, 3748432.3,      17.6,      17.6,       0.0);         ( 399748.0,
3748432.3,      17.5,      17.5,       0.0);
     ( 399783.0, 3748432.3,      17.5,      17.5,       0.0);         ( 399818.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399853.0, 3748432.3,      17.7,      17.7,       0.0);         ( 399888.0,
3748432.3,      17.5,      17.5,       0.0);
     ( 399923.0, 3748432.3,      17.5,      17.5,       0.0);         ( 399958.0,
3748432.3,      18.0,      18.0,       0.0);
     ( 399993.0, 3748432.3,      17.9,      17.9,       0.0);         ( 400028.0,
3748432.3,      17.9,      17.9,       0.0);
     ( 400063.0, 3748432.3,      18.1,      18.1,       0.0);         ( 400098.0,
3748432.3,      18.2,      18.2,       0.0);
     ( 400133.0, 3748432.3,      18.2,      18.2,       0.0);         ( 400168.0,
3748432.3,      18.2,      18.2,       0.0);
     ( 399468.0, 3748467.3,      18.0,      18.0,       0.0);         ( 399503.0,
3748467.3,      17.9,      17.9,       0.0);
     ( 399538.0, 3748467.3,      17.7,      17.7,       0.0);         ( 399573.0,
3748467.3,      17.8,      17.8,       0.0);
     ( 399608.0, 3748467.3,      17.7,      17.7,       0.0);         ( 399643.0,
3748467.3,      17.6,      17.6,       0.0);
     ( 399678.0, 3748467.3,      18.0,      18.0,       0.0);         ( 399713.0,
3748467.3,      17.5,      17.5,       0.0);
     ( 399748.0, 3748467.3,      17.4,      17.4,       0.0);         ( 399783.0,
3748467.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748467.3,      17.6,      17.6,       0.0);         ( 399853.0,
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3748467.3,      17.7,      17.7,       0.0);
     ( 399888.0, 3748467.3,      17.5,      17.5,       0.0);         ( 399923.0,
3748467.3,      18.0,      18.0,       0.0);
     ( 399958.0, 3748467.3,      18.1,      18.1,       0.0);         ( 399993.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400028.0, 3748467.3,      18.0,      18.0,       0.0);         ( 400063.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400098.0, 3748467.3,      18.2,      18.2,       0.0);         ( 400133.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400168.0, 3748467.3,      18.4,      18.4,       0.0);         ( 399468.0,
3748502.3,      18.0,      18.0,       0.0);
     ( 399538.0, 3748502.3,      17.6,      17.6,       0.0);         ( 399573.0,
3748502.3,      17.5,      17.5,       0.0);
     ( 399608.0, 3748502.3,      17.5,      17.5,       0.0);         ( 399643.0,
3748502.3,      17.5,      17.5,       0.0);
     ( 399678.0, 3748502.3,      17.4,      17.4,       0.0);         ( 399713.0,
3748502.3,      17.1,      17.1,       0.0);
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 303
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                     (METERS)

     ( 399748.0, 3748502.3,      17.2,      17.2,       0.0);         ( 400063.0,
3748502.3,      18.2,      18.2,       0.0);
     ( 400098.0, 3748502.3,      18.2,      18.2,       0.0);         ( 400133.0,
3748502.3,      18.2,      18.2,       0.0);
     ( 400168.0, 3748502.3,      18.2,      18.2,       0.0);         ( 399468.0,
3748537.3,      18.3,      18.3,       0.0);
     ( 399538.0, 3748537.3,      18.0,      18.0,       0.0);         ( 399573.0,
3748537.3,      17.9,      17.9,       0.0);
     ( 399608.0, 3748537.3,      17.8,      17.8,       0.0);         ( 399643.0,
3748537.3,      17.8,      17.8,       0.0);
     ( 399678.0, 3748537.3,      18.1,      18.1,       0.0);         ( 399713.0,
3748537.3,      17.9,      17.9,       0.0);
     ( 399748.0, 3748537.3,      17.8,      17.8,       0.0);         ( 400063.0,
3748537.3,      18.2,      18.2,       0.0);
     ( 400098.0, 3748537.3,      18.3,      18.3,       0.0);         ( 400133.0,
3748537.3,      18.3,      18.3,       0.0);
     ( 400168.0, 3748537.3,      18.2,      18.2,       0.0);         ( 399468.0,
3748572.3,      18.1,      18.1,       0.0);
     ( 399748.0, 3748572.3,      17.5,      17.5,       0.0);         ( 400063.0,
3748572.3,      18.0,      18.0,       0.0);
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(400098.0, 3748572.3,   18.0,   18.0,   0.0);   (400133.0, 3748572.3,   18.3,   18.3,   0.0);
(400168.0, 3748572.3,   18.1,   18.1,   0.0);   (399636.5, 3748735.8,   17.8,   17.8,   0.0);
(399636.5, 3748770.8,   17.8,   17.8,   0.0);   (399636.5, 3748805.8,   17.9,   17.9,   0.0);
(399636.5, 3748665.8,   18.0,   18.0,   0.0);   (399636.5, 3748700.8,   17.8,   17.8,   0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54,   3.09,   5.14,   8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: KFUL_V9_ADJU\KFUL_v9.SFC
Met Version: 16216
Profile file: KFUL_V9_ADJU\KFUL_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.:   3166   Upper air station no.:   3190
Name: UNKNOWN   Name: UNKNOWN

Year: 2012   Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-4.8	0.098	-9.000	-9.000	-999.	74.	18.0	0.26	2.61	1.00	0.96	322.	10.1	283.8	2.0
12	01	01	1	02	-1.9	0.072	-9.000	-9.000	-999.	47.	18.0	0.26	2.61	1.00	0.52	13.	10.1	283.1	2.0
12	01	01	1	03	-3.1	0.083	-9.000	-9.000	-999.	57.	16.3	0.26	2.61	1.00	0.75	73.	10.1	282.0	2.0
12	01	01	1	04	-4.3	0.094	-9.000	-9.000	-999.	69.	17.3	0.26	2.61	1.00	0.91	98.	10.1	281.4	2.0
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.26	2.61	1.00	0.00	0.	10.1	280.9	2.0
12	01	01	1	06	-2.1	0.074	-9.000	-9.000	-999.	48.	17.6	0.26	2.61	1.00	0.55	80.	10.1	280.4	2.0
12	01	01	1	07	-2.8	0.080	-9.000	-9.000	-999.	54.	16.3	0.26	2.61	1.00	0.69	201.	10.1	280.4	2.0
12	01	01	1	08	-1.5	0.066	-9.000	-9.000	-999.	41.	17.0	0.26	2.61	0.54	0.52	72.	10.1	280.9	2.0
12	01	01	1	09	37.4	-9.000	-9.000	-9.000	38.	-999.	-99999.0	0.26	2.61	0.31	0.00	0.	10.1	285.9	2.0
12	01	01	1	10	109.1	0.151	0.713	0.008	121.	141.	-2.9	0.26	2.61	0.24	0.79	268.	10.1	289.9	2.0
12	01	01	1	11	160.5	0.148	1.143	0.005	338.	136.	-1.8	0.26	2.61	0.21	0.70	273.	10.1	294.2	2.0

```
 12 01 01   1 12  186.9  0.156  1.483  0.005  634.  148.     -1.8  0.26   2.61
0.20    0.74  230.   10.1  297.5    2.0
 12 01 01   1 13  187.4  0.210  1.777  0.005 1088.  231.     -4.5  0.26   2.61
0.20    1.20  227.   10.1  300.4    2.0
 12 01 01   1 14  160.3  0.235  1.833  0.005 1395.  274.     -7.4  0.26   2.61
0.21    1.47  233.   10.1  300.9    2.0
 12 01 01   1 15  109.1  0.197  1.662  0.005 1527.  210.     -6.3  0.26   2.61
0.25    1.20  233.   10.1  302.0    2.0
 12 01 01   1 16   33.3  0.243  1.125  0.005 1548.  288.    -39.2  0.26   2.61
0.33    1.91  229.   10.1  298.1    2.0
 12 01 01   1 17   -9.1  0.141 -9.000 -9.000 -999.  132.     28.3  0.26   2.61
0.60    1.37  212.   10.1  294.2    2.0
 12 01 01   1 18   -4.3  0.094 -9.000 -9.000 -999.   69.     17.5  0.26   2.61
1.00    0.91  190.   10.1  292.0    2.0
 12 01 01   1 19   -2.8  0.079 -9.000 -9.000 -999.   54.     16.3  0.26   2.61
1.00    0.70  302.   10.1  289.2    2.0
 12 01 01   1 20   -4.0  0.091 -9.000 -9.000 -999.   65.     17.0  0.26   2.61
1.00    0.87  338.   10.1  288.1    2.0
 12 01 01   1 21   -6.3  0.113 -9.000 -9.000 -999.   91.     20.5  0.26   2.61
1.00    1.11  304.   10.1  287.0    2.0
 12 01 01   1 22   -3.1  0.082 -9.000 -9.000 -999.   57.     16.3  0.26   2.61
1.00    0.75   76.   10.1  285.4    2.0
 12 01 01   1 23   -2.4  0.076 -9.000 -9.000 -999.   50.     16.7  0.26   2.61
1.00    0.62  306.   10.1  284.9    2.0
 12 01 01   1 24   -3.6  0.087 -9.000 -9.000 -999.   62.     16.6  0.26   2.61
1.00    0.82  318.   10.1  283.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  322.    0.96   283.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                  PAGE 306
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
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L0000528 , L0000529 , L0000530 , L0000531 , L0000532
, L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399370.29	3748667.14	0.00030	399405.29	3748667.14	0.00037
399440.29	3748667.14	0.00046	399614.54	3748666.39	0.00322
399370.29	3748702.14	0.00030	399405.29	3748702.14	0.00037
399440.29	3748702.14	0.00047	399614.54	3748701.39	0.00370
399370.29	3748737.14	0.00029	399405.29	3748737.14	0.00036
399440.29	3748737.14	0.00047	399614.54	3748736.39	0.00383
399370.29	3748772.14	0.00028	399405.29	3748772.14	0.00035
399440.29	3748772.14	0.00045	399614.54	3748771.39	0.00359
399370.29	3748807.14	0.00027	399405.29	3748807.14	0.00033
399440.29	3748807.14	0.00041	399614.54	3748806.39	0.00290
399370.29	3748842.14	0.00024	399405.29	3748842.14	0.00030
399440.29	3748842.14	0.00037	399370.29	3748877.14	0.00022
399405.29	3748877.14	0.00026	399440.29	3748877.14	0.00032
399417.99	3749014.56	0.00016	399440.99	3749014.56	0.00018
399417.99	3749049.56	0.00015	399440.99	3749049.56	0.00016
399463.99	3749049.56	0.00017	399486.99	3749049.56	0.00019
399509.99	3749049.56	0.00021	399532.99	3749049.56	0.00023
399555.99	3749049.56	0.00025	399578.99	3749049.56	0.00027

```
         399601.99    3749049.56        0.00030                    399624.99
3749049.56        0.00033
         399647.99    3749049.56        0.00037                    399670.99
3749049.56        0.00041
         399693.99    3749049.56        0.00045                    399716.99
3749049.56        0.00050
         399739.99    3749049.56        0.00054                    399762.99
3749049.56        0.00057
         399785.99    3749049.56        0.00060                    399808.99
3749049.56        0.00061
         399831.99    3749049.56        0.00060                    399854.99
3749049.56        0.00059
         399877.99    3749049.56        0.00056                    399302.99
3749084.56        0.00009
         399325.99    3749084.56        0.00010                    399348.99
3749084.56        0.00010
         399371.99    3749084.56        0.00011                    399394.99
3749084.56        0.00012
         399417.99    3749084.56        0.00013                    399440.99
3749084.56        0.00014
         399463.99    3749084.56        0.00015                    399486.99
3749084.56        0.00016
         399509.99    3749084.56        0.00018                    399532.99
3749084.56        0.00019
         399555.99    3749084.56        0.00021                    399578.99
3749084.56        0.00023
         399624.99    3749084.56        0.00027                    399647.99
3749084.56        0.00030
         399670.99    3749084.56        0.00033                    399693.99
3749084.56        0.00036
         399716.99    3749084.56        0.00039                    399739.99
3749084.56        0.00042
         399762.99    3749084.56        0.00045                    399785.99
3749084.56        0.00047
         399808.99    3749084.56        0.00048                    399831.99
3749084.56        0.00049
         399854.99    3749084.56        0.00048                    399877.99
3749084.56        0.00047
         400084.99    3749084.56        0.00023                    399302.99
3749119.56        0.00008
         399325.99    3749119.56        0.00009                    399348.99
3749119.56        0.00009
         399371.99    3749119.56        0.00010                    399394.99
3749119.56        0.00011
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:32:00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399417.99	3749119.56	0.00011	399440.99	3749119.56	0.00012
399463.99	3749119.56	0.00013	399486.99	3749119.56	0.00014
399509.99	3749119.56	0.00015	399532.99	3749119.56	0.00016
399555.99	3749119.56	0.00018	399578.99	3749119.56	0.00019
399624.99	3749119.56	0.00023	399647.99	3749119.56	0.00024
399670.99	3749119.56	0.00027	399693.99	3749119.56	0.00029
399716.99	3749119.56	0.00031	399739.99	3749119.56	0.00034
399762.99	3749119.56	0.00036	399785.99	3749119.56	0.00038
399808.99	3749119.56	0.00039	399831.99	3749119.56	0.00040
399854.99	3749119.56	0.00040	399877.99	3749119.56	0.00040
400038.99	3749119.56	0.00026	400061.99	3749119.56	0.00024
400084.99	3749119.56	0.00022	399302.99	3749154.56	0.00008
399325.99	3749154.56	0.00008	399348.99		

3749154.56 0.00008
399371.99 3749154.56 0.00009 399394.99
3749154.56 0.00010
399417.99 3749154.56 0.00010 399440.99
3749154.56 0.00011
399463.99 3749154.56 0.00012 399486.99
3749154.56 0.00012
399509.99 3749154.56 0.00013 399532.99
3749154.56 0.00014
399555.99 3749154.56 0.00015 399578.99
3749154.56 0.00016
399624.99 3749154.56 0.00019 399647.99
3749154.56 0.00021
399670.99 3749154.56 0.00022 399693.99
3749154.56 0.00024
399716.99 3749154.56 0.00026 399739.99
3749154.56 0.00028
399762.99 3749154.56 0.00029 399785.99
3749154.56 0.00031
399808.99 3749154.56 0.00032 399831.99
3749154.56 0.00033
399854.99 3749154.56 0.00033 399877.99
3749154.56 0.00033
399923.99 3749154.56 0.00032 399946.99
3749154.56 0.00031
399969.99 3749154.56 0.00029 399992.99
3749154.56 0.00028
400015.99 3749154.56 0.00026 400038.99
3749154.56 0.00024
400061.99 3749154.56 0.00023 400084.99
3749154.56 0.00021
399302.99 3749189.56 0.00007 399325.99
3749189.56 0.00007
399348.99 3749189.56 0.00008 399371.99
3749189.56 0.00008
399394.99 3749189.56 0.00009 399417.99
3749189.56 0.00009
399440.99 3749189.56 0.00010 399463.99
3749189.56 0.00010
399486.99 3749189.56 0.00011 399509.99
3749189.56 0.00012
399532.99 3749189.56 0.00012 399555.99
3749189.56 0.00013
399578.99 3749189.56 0.00014 399624.99
3749189.56 0.00016
399647.99 3749189.56 0.00017 399670.99
3749189.56 0.00019
399693.99 3749189.56 0.00020 399716.99
3749189.56 0.00021

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000507 , L0000508
, L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516
, L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524
, L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 , L0000531 , L0000532
, L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399877.99	3749189.56	0.00028	400015.99	3749189.56	0.00024
400038.99	3749189.56	0.00022	400061.99	3749189.56	0.00021
400084.99	3749189.56	0.00020	399302.99	3749224.56	0.00006
399325.99	3749224.56	0.00007	399348.99	3749224.56	0.00007
399371.99	3749224.56	0.00007	399394.99	3749224.56	0.00008
399417.99	3749224.56	0.00008	399440.99	3749224.56	0.00009
399463.99	3749224.56	0.00009	399486.99	3749224.56	0.00010

399509.99 3749224.56 0.00010 399532.99
3749224.56 0.00011
399555.99 3749224.56 0.00012 399578.99
3749224.56 0.00012
399624.99 3749224.56 0.00014 399647.99
3749224.56 0.00015
399670.99 3749224.56 0.00016 399693.99
3749224.56 0.00017
399716.99 3749224.56 0.00018 399739.99
3749224.56 0.00019
399762.99 3749224.56 0.00020 399785.99
3749224.56 0.00021
399808.99 3749224.56 0.00022 399831.99
3749224.56 0.00023
399854.99 3749224.56 0.00024 399877.99
3749224.56 0.00024
400015.99 3749224.56 0.00022 400038.99
3749224.56 0.00021
400061.99 3749224.56 0.00019 400084.99
3749224.56 0.00018
400112.30 3748645.81 0.00024 400147.30
3748645.81 0.00021
400182.30 3748645.81 0.00017 400217.30
3748645.81 0.00013
400252.30 3748645.81 0.00011 400287.30
3748645.81 0.00009
400322.30 3748645.81 0.00008 400357.30
3748645.81 0.00007
400392.30 3748645.81 0.00007 400112.30
3748680.81 0.00022
400147.30 3748680.81 0.00018 400182.30
3748680.81 0.00016
400217.30 3748680.81 0.00013 400252.30
3748680.81 0.00011
400287.30 3748680.81 0.00010 400322.30
3748680.81 0.00008
400357.30 3748680.81 0.00007 400392.30
3748680.81 0.00007
400112.30 3748715.81 0.00021 400147.30
3748715.81 0.00018
400182.30 3748715.81 0.00015 400217.30
3748715.81 0.00013
400252.30 3748715.81 0.00011 400287.30
3748715.81 0.00010
400322.30 3748715.81 0.00009 400357.30
3748715.81 0.00008
400392.30 3748715.81 0.00007 400112.30
3748750.81 0.00021
400147.30 3748750.81 0.00018 400182.30

```
3748750.81        0.00015
         400217.30    3748750.81        0.00013                      400252.30
3748750.81        0.00011
         400287.30    3748750.81        0.00010                      400322.30
3748750.81        0.00009
         400357.30    3748750.81        0.00008                      400392.30
3748750.81        0.00007
         400112.30    3748785.81        0.00021                      400147.30
3748785.81        0.00018
         400182.30    3748785.81        0.00015                      400217.30
3748785.81        0.00013
         400252.30    3748785.81        0.00011                      400287.30
3748785.81        0.00010
         400322.30    3748785.81        0.00009                      400357.30
3748785.81        0.00008
         400392.30    3748785.81        0.00007                      400112.30
3748820.81        0.00022
```



```
                            *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         400147.30    3748820.81        0.00018                      400182.30
3748820.81        0.00015
         400217.30    3748820.81        0.00013                      400252.30
```

```
3748820.81        0.00011
         400287.30    3748820.81        0.00010                    400322.30
3748820.81        0.00009
         400357.30    3748820.81        0.00008                    400392.30
3748820.81        0.00007
         400112.30    3748855.81        0.00022                    400147.30
3748855.81        0.00018
         400182.30    3748855.81        0.00015                    400217.30
3748855.81        0.00013
         400252.30    3748855.81        0.00011                    400287.30
3748855.81        0.00010
         400322.30    3748855.81        0.00009                    400357.30
3748855.81        0.00008
         400392.30    3748855.81        0.00007                    400112.30
3748890.81        0.00022
         400147.30    3748890.81        0.00018                    400182.30
3748890.81        0.00015
         400217.30    3748890.81        0.00013                    400252.30
3748890.81        0.00011
         400287.30    3748890.81        0.00010                    400322.30
3748890.81        0.00009
         400357.30    3748890.81        0.00008                    400392.30
3748890.81        0.00007
         400112.30    3748925.81        0.00022                    400147.30
3748925.81        0.00018
         400182.30    3748925.81        0.00015                    400217.30
3748925.81        0.00013
         400252.30    3748925.81        0.00011                    400287.30
3748925.81        0.00010
         400322.30    3748925.81        0.00009                    400357.30
3748925.81        0.00008
         400392.30    3748925.81        0.00007                    399467.96
3748222.35        0.00007
         399502.96    3748222.35        0.00008                    399537.96
3748222.35        0.00008
         399572.96    3748222.35        0.00009                    399607.96
3748222.35        0.00009
         399642.96    3748222.35        0.00009                    399677.96
3748222.35        0.00009
         399712.96    3748222.35        0.00009                    399747.96
3748222.35        0.00009
         399782.96    3748222.35        0.00009                    399817.96
3748222.35        0.00009
         399852.96    3748222.35        0.00009                    399887.96
3748222.35        0.00008
         399922.96    3748222.35        0.00008                    399957.96
3748222.35        0.00008
         399992.96    3748222.35        0.00007                    400027.96
3748222.35        0.00007
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         400062.96    3748222.35        0.00006                        400097.96
3748222.35        0.00006
         400132.96    3748222.35        0.00006                        400167.96
3748222.35        0.00005
         399467.96    3748257.35        0.00008                        399502.96
3748257.35        0.00009
         399537.96    3748257.35        0.00009                        399572.96
3748257.35        0.00010
         399607.96    3748257.35        0.00010                        399642.96
3748257.35        0.00011
         399677.96    3748257.35        0.00011                        399712.96
3748257.35        0.00011
         399747.96    3748257.35        0.00011                        399782.96
3748257.35        0.00011
         399817.96    3748257.35        0.00010                        399852.96
3748257.35        0.00010
         399887.96    3748257.35        0.00010                        399922.96
3748257.35        0.00009
         399957.96    3748257.35        0.00009                        399992.96
3748257.35        0.00008
         400027.96    3748257.35        0.00008                        400062.96
3748257.35        0.00007
         400097.96    3748257.35        0.00007                        400132.96
3748257.35        0.00006
         400167.96    3748257.35        0.00006                        399467.96
3748292.35        0.00010
         399502.96    3748292.35        0.00010                        399537.96
3748292.35        0.00011
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                   PAGE 310
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399572.96	3748292.35	0.00012	399607.96	3748292.35	0.00012
399642.96	3748292.35	0.00013	399677.96	3748292.35	0.00013
399712.96	3748292.35	0.00013	399747.96	3748292.35	0.00013
399782.96	3748292.35	0.00013	399817.96	3748292.35	0.00012
399852.96	3748292.35	0.00012	399887.96	3748292.35	0.00011
399922.96	3748292.35	0.00010	399957.96	3748292.35	0.00010
399992.96	3748292.35	0.00009	400027.96	3748292.35	0.00009
400062.96	3748292.35	0.00008	400097.96	3748292.35	0.00008
400132.96	3748292.35	0.00007	400167.96	3748292.35	0.00007
399467.96	3748327.35	0.00011	399502.96	3748327.35	0.00012
399537.96	3748327.35	0.00013	399572.96	3748327.35	0.00014
399607.96	3748327.35	0.00014	399642.96	3748327.35	0.00015
399677.96	3748327.35	0.00015	399712.96	3748327.35	0.00016
399747.96	3748327.35	0.00016	399782.96	3748327.35	0.00015
399817.96	3748327.35	0.00015	399852.96	3748327.35	0.00014
399887.96	3748327.35	0.00013	399922.96	3748327.35	0.00012
399957.96	3748327.35	0.00011	399992.96	3748327.35	0.00011
400027.96	3748327.35	0.00010	400062.96	3748327.35	0.00009
400097.96	3748327.35	0.00008	400132.96	3748327.35	0.00008
400167.96	3748327.35	0.00007	399467.96	3748362.35	0.00013
399502.96	3748362.35	0.00014	399537.96		

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3748362.35        0.00015
         399572.96    3748362.35        0.00017                        399607.96
3748362.35        0.00018
         399642.96    3748362.35        0.00019                        399677.96
3748362.35        0.00019
         399712.96    3748362.35        0.00019                        399747.96
3748362.35        0.00019
         399782.96    3748362.35        0.00019                        399817.96
3748362.35        0.00018
         399852.96    3748362.35        0.00017                        399887.96
3748362.35        0.00016
         399922.96    3748362.35        0.00014                        399957.96
3748362.35        0.00013
         399992.96    3748362.35        0.00012                        400027.96
3748362.35        0.00011
         400062.96    3748362.35        0.00010                        400097.96
3748362.35        0.00009
         400132.96    3748362.35        0.00009                        400167.96
3748362.35        0.00008
         399467.96    3748397.35        0.00015                        399502.96
3748397.35        0.00017
         399537.96    3748397.35        0.00018                        399572.96
3748397.35        0.00020
         399607.96    3748397.35        0.00022                        399642.96
3748397.35        0.00023
         399677.96    3748397.35        0.00024                        399712.96
3748397.35        0.00025
         399747.96    3748397.35        0.00024                        399782.96
3748397.35        0.00023
         399817.96    3748397.35        0.00022                        399852.96
3748397.35        0.00021
         399887.96    3748397.35        0.00019                        399922.96
3748397.35        0.00017
         399957.96    3748397.35        0.00016                        399992.96
3748397.35        0.00014
         400027.96    3748397.35        0.00013                        400062.96
3748397.35        0.00012
         400097.96    3748397.35        0.00011                        400132.96
3748397.35        0.00010
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                PAGE 311
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
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INCLUDING SOURCE(S): L0000507 , L0000508
, L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516
, L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524
, L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 , L0000531 , L0000532
, L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
400167.96	3748397.35	0.00009	399467.96	3748432.35	0.00018
399502.96	3748432.35	0.00020	399537.96	3748432.35	0.00023
399572.96	3748432.35	0.00025	399607.96	3748432.35	0.00028
399642.96	3748432.35	0.00030	399677.96	3748432.35	0.00032
399712.96	3748432.35	0.00033	399747.96	3748432.35	0.00032
399782.96	3748432.35	0.00030	399817.96	3748432.35	0.00028
399852.96	3748432.35	0.00026	399887.96	3748432.35	0.00023
399922.96	3748432.35	0.00021	399957.96	3748432.35	0.00019
399992.96	3748432.35	0.00017	400027.96	3748432.35	0.00015
400062.96	3748432.35	0.00013	400097.96	3748432.35	0.00012
400132.96	3748432.35	0.00011	400167.96	3748432.35	0.00010
399467.96	3748467.35	0.00021	399502.96	3748467.35	0.00025
399537.96	3748467.35	0.00028	399572.96	3748467.35	0.00033
399607.96	3748467.35	0.00037	399642.96	3748467.35	0.00041
399677.96	3748467.35	0.00044	399712.96	3748467.35	0.00045

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         399747.96    3748467.35        0.00044                    399782.96
3748467.35        0.00041
         399817.96    3748467.35        0.00037                    399852.96
3748467.35        0.00033
         399887.96    3748467.35        0.00029                    399922.96
3748467.35        0.00025
         399957.96    3748467.35        0.00022                    399992.96
3748467.35        0.00019
         400027.96    3748467.35        0.00017                    400062.96
3748467.35        0.00015
         400097.96    3748467.35        0.00013                    400132.96
3748467.35        0.00012
         400167.96    3748467.35        0.00011                    399467.96
3748502.35        0.00026
         399537.96    3748502.35        0.00036                    399572.96
3748502.35        0.00043
         399607.96    3748502.35        0.00051                    399642.96
3748502.35        0.00059
         399677.96    3748502.35        0.00065                    399712.96
3748502.35        0.00067
         399747.96    3748502.35        0.00064                    400062.96
3748502.35        0.00017
         400097.96    3748502.35        0.00015                    400132.96
3748502.35        0.00013
         400167.96    3748502.35        0.00012                    399467.96
3748537.35        0.00032
         399537.96    3748537.35        0.00047                    399572.96
3748537.35        0.00059
         399607.96    3748537.35        0.00073                    399642.96
3748537.35        0.00090
         399677.96    3748537.35        0.00105                    399712.96
3748537.35        0.00110
         399747.96    3748537.35        0.00103                    400062.96
3748537.35        0.00020
         400097.96    3748537.35        0.00017                    400132.96
3748537.35        0.00015
         400167.96    3748537.35        0.00013                    399467.96
3748572.35        0.00042
         399747.96    3748572.35        0.00192                    400062.96
3748572.35        0.00025
         400097.96    3748572.35        0.00022                    400132.96
3748572.35        0.00019
         400167.96    3748572.35        0.00016                    399636.52
3748735.82        0.00659
         399636.52    3748770.82        0.00626                    399636.52
3748805.82        0.00487
         399636.52    3748665.82        0.00542                    399636.52
3748700.82        0.00633
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000507   , L0000508
, L0000509   , L0000510   , L0000511   ,
L0000512   , L0000513   , L0000514   , L0000515   , L0000516
, L0000517   , L0000518   , L0000519   ,
L0000520   , L0000521   , L0000522   , L0000523   , L0000524
, L0000525   , L0000526   , L0000527   ,
L0000528   , L0000529   , L0000530   , L0000531   , L0000532
, L0000533   , L0000534   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399370.29	3748667.14	0.01638	(12110208)	399405.29	3748667.14	0.01999	(12110208)
399440.29	3748667.14	0.02443	(12110208)	399614.54	3748666.39	0.08556	(12110208)
399370.29	3748702.14	0.01509	(14100908)	399405.29	3748702.14	0.01769	(14100908)
399440.29	3748702.14	0.02101	(14100908)	399614.54	3748701.39	0.09448	(12020808)
399370.29	3748737.14	0.01500	(14100908)	399405.29	3748737.14	0.01766	(14100908)
399440.29	3748737.14	0.02100	(14100908)	399614.54	3748736.39	0.09634	(12020808)
399370.29	3748772.14	0.01365	(14120908)	399405.29	3748772.14	0.01582	(14120908)
399440.29	3748772.14	0.01896	(12100508)	399614.54	3748771.39	0.09005	(12020808)
399370.29	3748807.14	0.01339	(12100508)	399405.29	3748807.14	0.01618	(12100508)
399440.29	3748807.14	0.01972	(12100508)	399614.54	3748806.39	0.07590	(12100508)
399370.29	3748842.14	0.01328	(12100508)	399405.29			

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3748842.14        0.01557  (12100508)
        399440.29   3748842.14        0.01832  (12100508)                399370.29
3748877.14        0.01200  (12100508)
        399405.29   3748877.14        0.01350  (12100508)                399440.29
3748877.14        0.01516  (16010508)
        399417.99   3749014.56        0.00923  (16021808)                399440.99
3749014.56        0.00963  (16021808)
        399417.99   3749049.56        0.00815  (16021808)                399440.99
3749049.56        0.00919  (13092608)
        399463.99   3749049.56        0.01075  (13092608)                399486.99
3749049.56        0.01222  (13092608)
        399509.99   3749049.56        0.01343  (13092608)                399532.99
3749049.56        0.01420  (13092608)
        399555.99   3749049.56        0.01436  (13092608)                399578.99
3749049.56        0.01431  (14123015)
        399601.99   3749049.56        0.01738  (16032808)                399624.99
3749049.56        0.01954  (16032808)
        399647.99   3749049.56        0.02012  (16032808)                399670.99
3749049.56        0.01862  (16032808)
        399693.99   3749049.56        0.01740  (15090408)                399716.99
3749049.56        0.01743  (16091308)
        399739.99   3749049.56        0.01820  (16091308)                399762.99
3749049.56        0.01734  (16091308)
        399785.99   3749049.56        0.01612  (12112915)                399808.99
3749049.56        0.01529  (13042308)
        399831.99   3749049.56        0.01474  (12112815)                399854.99
3749049.56        0.01522  (12112815)
        399877.99   3749049.56        0.01462  (12112815)                399302.99
3749084.56        0.00615  (16021808)
        399325.99   3749084.56        0.00638  (16021808)                399348.99
3749084.56        0.00661  (16021808)
        399371.99   3749084.56        0.00681  (16021808)                399394.99
3749084.56        0.00698  (16021808)
        399417.99   3749084.56        0.00784  (13092608)                399440.99
3749084.56        0.00905  (13092608)
        399463.99   3749084.56        0.01019  (13092608)                399486.99
3749084.56        0.01113  (13092608)
        399509.99   3749084.56        0.01173  (13092608)                399532.99
3749084.56        0.01189  (13092608)
        399555.99   3749084.56        0.01167  (14123015)                399578.99
3749084.56        0.01332  (16032808)
        399624.99   3749084.56        0.01655  (16032808)                399647.99
3749084.56        0.01645  (16032808)
        399670.99   3749084.56        0.01486  (16032808)                399693.99
3749084.56        0.01424  (15090408)
        399716.99   3749084.56        0.01422  (16091308)                399739.99
3749084.56        0.01506  (16091308)
        399762.99   3749084.56        0.01469  (16091308)                399785.99
3749084.56        0.01366  (12112915)
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399808.99   3749084.56   0.01293 (13042308)   399831.99
3749084.56   0.01219 (13042308)
399854.99   3749084.56   0.01247 (12112815)   399877.99
3749084.56   0.01266 (12112815)
400084.99   3749084.56   0.00627 (16011815)   399302.99
3749119.56   0.00564 (16021808)
399325.99   3749119.56   0.00580 (16021808)   399348.99
3749119.56   0.00594 (16021808)
399371.99   3749119.56   0.00605 (16021808)   399394.99
3749119.56   0.00673 (13092608)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000507   , L0000508   , L0000509   , L0000510   , L0000511   ,
L0000512   , L0000513   , L0000514   , L0000515   , L0000516   , L0000517   , L0000518   , L0000519   ,
L0000520   , L0000521   , L0000522   , L0000523   , L0000524   , L0000525   , L0000526   , L0000527   ,
L0000528   , L0000529   , L0000530   , L0000531   , L0000532   , L0000533   , L0000534   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399417.99	3749119.56	0.00768	(13092608)	399440.99	3749119.56	0.00857	(13092608)
399463.99	3749119.56	0.00931	(13092608)	399486.99	3749119.56	0.00979	(13092608)
399509.99	3749119.56	0.00994	(13092608)	399532.99	3749119.56	0.00972	(13092608)
399555.99	3749119.56	0.01060	(14123015)	399578.99	3749119.56	0.01220	(16032808)
399624.99	3749119.56	0.01411	(16032808)	399647.99	3749119.56	0.01367	(16032808)

399670.99 3749119.56 0.01214 (16032808) 399693.99
3749119.56 0.01197 (15090408)
399716.99 3749119.56 0.01192 (16091308) 399739.99
3749119.56 0.01272 (16091308)
399762.99 3749119.56 0.01261 (16091308) 399785.99
3749119.56 0.01170 (12112915)
399808.99 3749119.56 0.01093 (13042308) 399831.99
3749119.56 0.01063 (13042308)
399854.99 3749119.56 0.01005 (13111915) 399877.99
3749119.56 0.01067 (12112815)
400038.99 3749119.56 0.00732 (16011815) 400061.99
3749119.56 0.00689 (16011815)
400084.99 3749119.56 0.00633 (16011815) 399302.99
3749154.56 0.00513 (16021808)
399325.99 3749154.56 0.00522 (16021808) 399348.99
3749154.56 0.00530 (16021808)
399371.99 3749154.56 0.00584 (13092608) 399394.99
3749154.56 0.00661 (13092608)
399417.99 3749154.56 0.00732 (13092608) 399440.99
3749154.56 0.00790 (13092608)
399463.99 3749154.56 0.00829 (13092608) 399486.99
3749154.56 0.00845 (13092608)
399509.99 3749154.56 0.00838 (15090108) 399532.99
3749154.56 0.00885 (14123015)
399555.99 3749154.56 0.00965 (16032808) 399578.99
3749154.56 0.01104 (16032808)
399624.99 3749154.56 0.01197 (16032808) 399647.99
3749154.56 0.01131 (16032808)
399670.99 3749154.56 0.01017 (15090408) 399693.99
3749154.56 0.01010 (15090408)
399716.99 3749154.56 0.01004 (16091308) 399739.99
3749154.56 0.01075 (16091308)
399762.99 3749154.56 0.01081 (16091308) 399785.99
3749154.56 0.01020 (16091308)
399808.99 3749154.56 0.00954 (12112915) 399831.99
3749154.56 0.00921 (13042308)
399854.99 3749154.56 0.00895 (13111915) 399877.99
3749154.56 0.00880 (12112815)
399923.99 3749154.56 0.00914 (12112815) 399946.99
3749154.56 0.00866 (12112815)
399969.99 3749154.56 0.00794 (13112015) 399992.99
3749154.56 0.00765 (13112015)
400015.99 3749154.56 0.00718 (13112015) 400038.99
3749154.56 0.00658 (13112015)
400061.99 3749154.56 0.00636 (16011815) 400084.99
3749154.56 0.00606 (16011815)
399302.99 3749189.56 0.00463 (16021808) 399325.99
3749189.56 0.00468 (16021808)
399348.99 3749189.56 0.00511 (13092608) 399371.99

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3749189.56        0.00574  (13092608)
        399394.99   3749189.56        0.00631  (13092608)                399417.99
3749189.56        0.00678  (13092608)
        399440.99   3749189.56        0.00711  (13092608)                399463.99
3749189.56        0.00725  (13092608)
        399486.99   3749189.56        0.00732  (15090108)                399509.99
3749189.56        0.00749  (14123015)
        399532.99   3749189.56        0.00820  (14123015)                399555.99
3749189.56        0.00903  (16032808)
        399578.99   3749189.56        0.01000  (16032808)                399624.99
3749189.56        0.01037  (16032808)
        399647.99   3749189.56        0.00962  (16032808)                399670.99
3749189.56        0.00885  (15090408)
        399693.99   3749189.56        0.00890  (13111515)                399716.99
3749189.56        0.00875  (12021310)
        399739.99   3749189.56        0.00926  (16091308)                399762.99
3749189.56        0.00941  (16091308)
        399785.99   3749189.56        0.00904  (16091308)                399808.99
3749189.56        0.00840  (12112915)
        399831.99   3749189.56        0.00799  (13042308)                399854.99
3749189.56        0.00793  (13111915)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                   PAGE 314
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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399877.99 3749189.56 0.00765 (13111915) 400015.99
3749189.56 0.00665 (13112015)
400038.99 3749189.56 0.00628 (13112015) 400061.99
3749189.56 0.00579 (13112015)
400084.99 3749189.56 0.00557 (16011815) 399302.99
3749224.56 0.00416 (16021808)
399325.99 3749224.56 0.00451 (13092608) 399348.99
3749224.56 0.00502 (13092608)
399371.99 3749224.56 0.00549 (13092608) 399394.99
3749224.56 0.00587 (13092608)
399417.99 3749224.56 0.00615 (13092608) 399440.99
3749224.56 0.00628 (13092608)
399463.99 3749224.56 0.00640 (15090108) 399486.99
3749224.56 0.00630 (14123015)
399509.99 3749224.56 0.00701 (14123015) 399532.99
3749224.56 0.00745 (14123015)
399555.99 3749224.56 0.00837 (16032808) 399578.99
3749224.56 0.00902 (16032808)
399624.99 3749224.56 0.00893 (16032808) 399647.99
3749224.56 0.00817 (16032808)
399670.99 3749224.56 0.00772 (15090408) 399693.99
3749224.56 0.00786 (13111515)
399716.99 3749224.56 0.00772 (13111515) 399739.99
3749224.56 0.00809 (16091308)
399762.99 3749224.56 0.00827 (16091308) 399785.99
3749224.56 0.00804 (16091308)
399808.99 3749224.56 0.00743 (12112915) 399831.99
3749224.56 0.00701 (12112915)
399854.99 3749224.56 0.00698 (13111915) 399877.99
3749224.56 0.00690 (13111915)
400015.99 3749224.56 0.00601 (13112015) 400038.99
3749224.56 0.00584 (13112015)
400061.99 3749224.56 0.00554 (13112015) 400084.99
3749224.56 0.00515 (13112015)
400112.30 3748645.81 0.00968 (16123015) 400147.30
3748645.81 0.00869 (16123015)
400182.30 3748645.81 0.00783 (16123015) 400217.30
3748645.81 0.00707 (16123015)
400252.30 3748645.81 0.00641 (16123015) 400287.30
3748645.81 0.00583 (16123015)
400322.30 3748645.81 0.00532 (16123015) 400357.30
3748645.81 0.00487 (16123015)
400392.30 3748645.81 0.00447 (16123015) 400112.30
3748680.81 0.01038 (16123015)
400147.30 3748680.81 0.00919 (16123015) 400182.30
3748680.81 0.00815 (16123015)
400217.30 3748680.81 0.00729 (16123015) 400252.30
3748680.81 0.00655 (16123015)

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        400287.30   3748680.81        0.00592  (16123015)               400322.30
3748680.81        0.00536  (16123015)
        400357.30   3748680.81        0.00488  (16123015)               400392.30
3748680.81        0.00445  (16123015)
        400112.30   3748715.81        0.01042  (14032608)               400147.30
3748715.81        0.00904  (14032608)
        400182.30   3748715.81        0.00789  (14032608)               400217.30
3748715.81        0.00695  (14032608)
        400252.30   3748715.81        0.00616  (16123015)               400287.30
3748715.81        0.00553  (16123015)
        400322.30   3748715.81        0.00499  (16123015)               400357.30
3748715.81        0.00453  (16123015)
        400392.30   3748715.81        0.00412  (16123015)               400112.30
3748750.81        0.01168  (14032608)
        400147.30   3748750.81        0.01020  (14032608)               400182.30
3748750.81        0.00891  (14032608)
        400217.30   3748750.81        0.00788  (14032608)               400252.30
3748750.81        0.00699  (14032608)
        400287.30   3748750.81        0.00623  (14032608)               400322.30
3748750.81        0.00559  (14032608)
        400357.30   3748750.81        0.00504  (14032608)               400392.30
3748750.81        0.00456  (14032608)
        400112.30   3748785.81        0.01173  (14032608)               400147.30
3748785.81        0.01034  (14032608)
        400182.30   3748785.81        0.00914  (14032608)               400217.30
3748785.81        0.00814  (14032608)
        400252.30   3748785.81        0.00729  (14032608)               400287.30
3748785.81        0.00657  (14032608)
        400322.30   3748785.81        0.00591  (14032608)               400357.30
3748785.81        0.00535  (14032608)
        400392.30   3748785.81        0.00487  (14032608)               400112.30
3748820.81        0.01056  (14032608)
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```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                 L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                 L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                 L0000528    , L0000529    , L0000530    , L0000531    , L0000532
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, L0000533   , L0000534   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400147.30	3748820.81	0.00947	(14032608)	400182.30	3748820.81	0.00852	(14032608)
400217.30	3748820.81	0.00771	(14032608)	400252.30	3748820.81	0.00700	(14032608)
400287.30	3748820.81	0.00637	(14032608)	400322.30	3748820.81	0.00580	(14032608)
400357.30	3748820.81	0.00529	(14032608)	400392.30	3748820.81	0.00485	(14032608)
400112.30	3748855.81	0.00979	(13011008)	400147.30	3748855.81	0.00880	(13011008)
400182.30	3748855.81	0.00795	(13011008)	400217.30	3748855.81	0.00721	(13011008)
400252.30	3748855.81	0.00657	(13011008)	400287.30	3748855.81	0.00601	(13011008)
400322.30	3748855.81	0.00552	(13011008)	400357.30	3748855.81	0.00509	(13011008)
400392.30	3748855.81	0.00470	(13011008)	400112.30	3748890.81	0.00976	(12121715)
400147.30	3748890.81	0.00838	(13011008)	400182.30	3748890.81	0.00766	(13011008)
400217.30	3748890.81	0.00702	(13011008)	400252.30	3748890.81	0.00645	(13011008)
400287.30	3748890.81	0.00594	(13011008)	400322.30	3748890.81	0.00549	(13011008)
400357.30	3748890.81	0.00509	(13011008)	400392.30	3748890.81	0.00472	(13011008)
400112.30	3748925.81	0.00976	(12121715)	400147.30	3748925.81	0.00860	(12121715)
400182.30	3748925.81	0.00751	(12121715)	400217.30	3748925.81	0.00666	(13011008)
400252.30	3748925.81	0.00618	(13011008)	400287.30	3748925.81	0.00575	(13011008)
400322.30	3748925.81	0.00535	(13011008)	400357.30	3748925.81	0.00499	(13011008)
400392.30	3748925.81	0.00466	(13011008)	399467.96	3748222.35	0.00681	(16122708)
399502.96	3748222.35	0.00702	(16122708)	399537.96			

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3748222.35        0.00707  (16122708)
        399572.96   3748222.35        0.00693  (16122708)                399607.96
3748222.35        0.00661  (16122708)
        399642.96   3748222.35        0.00635  (12020808)                399677.96
3748222.35        0.00643  (12020808)
        399712.96   3748222.35        0.00645  (12020808)                399747.96
3748222.35        0.00641  (12020808)
        399782.96   3748222.35        0.00632  (12020808)                399817.96
3748222.35        0.00618  (12020808)
        399852.96   3748222.35        0.00601  (12020808)                399887.96
3748222.35        0.00579  (12020808)
        399922.96   3748222.35        0.00556  (12020808)                399957.96
3748222.35        0.00531  (12020808)
        399992.96   3748222.35        0.00505  (12020808)                400027.96
3748222.35        0.00479  (12020808)
        400062.96   3748222.35        0.00453  (12020808)                400097.96
3748222.35        0.00439  (16020108)
        400132.96   3748222.35        0.00445  (16020108)                400167.96
3748222.35        0.00446  (16020108)
        399467.96   3748257.35        0.00742  (16122708)                399502.96
3748257.35        0.00776  (16122708)
        399537.96   3748257.35        0.00791  (16122708)                399572.96
3748257.35        0.00784  (16122708)
        399607.96   3748257.35        0.00754  (16122708)                399642.96
3748257.35        0.00718  (12020808)
        399677.96   3748257.35        0.00728  (12020808)                399712.96
3748257.35        0.00731  (12020808)
        399747.96   3748257.35        0.00726  (12020808)                399782.96
3748257.35        0.00714  (12020808)
        399817.96   3748257.35        0.00696  (12020808)                399852.96
3748257.35        0.00673  (12020808)
        399887.96   3748257.35        0.00646  (12020808)                399922.96
3748257.35        0.00616  (12020808)
        399957.96   3748257.35        0.00585  (12020808)                399992.96
3748257.35        0.00553  (12020808)
        400027.96   3748257.35        0.00522  (12020808)                400062.96
3748257.35        0.00493  (16020108)
        400097.96   3748257.35        0.00500  (16020108)                400132.96
3748257.35        0.00500  (16020108)
        400167.96   3748257.35        0.00495  (16020108)                399467.96
3748292.35        0.00807  (16122708)
        399502.96   3748292.35        0.00857  (16122708)                399537.96
3748292.35        0.00888  (16122708)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000507 , L0000508 , L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399572.96	3748292.35	0.00892	(16122708)	399607.96	3748292.35	0.00866	(16122708)
399642.96	3748292.35	0.00821	(12020808)	399677.96	3748292.35	0.00834	(12020808)
399712.96	3748292.35	0.00837	(12020808)	399747.96	3748292.35	0.00831	(12020808)
399782.96	3748292.35	0.00815	(12020808)	399817.96	3748292.35	0.00791	(12020808)
399852.96	3748292.35	0.00761	(12020808)	399887.96	3748292.35	0.00725	(12020808)
399922.96	3748292.35	0.00687	(12020808)	399957.96	3748292.35	0.00648	(12020808)
399992.96	3748292.35	0.00608	(12020808)	400027.96	3748292.35	0.00570	(12020808)
400062.96	3748292.35	0.00567	(16020108)	400097.96	3748292.35	0.00567	(16020108)
400132.96	3748292.35	0.00558	(16020108)	400167.96	3748292.35	0.00543	(16020108)
399467.96	3748327.35	0.00875	(16122708)	399502.96	3748327.35	0.00947	(16122708)
399537.96	3748327.35	0.00999	(16122708)	399572.96	3748327.35	0.01020	(16122708)
399607.96	3748327.35	0.01004	(16122708)	399642.96	3748327.35	0.00950	(16122708)
399677.96	3748327.35	0.00966	(12020808)	399712.96	3748327.35	0.00971	(12020808)

399747.96 3748327.35 0.00962 (12020808) 399782.96
3748327.35 0.00940 (12020808)
399817.96 3748327.35 0.00908 (12020808) 399852.96
3748327.35 0.00867 (12020808)
399887.96 3748327.35 0.00820 (12020808) 399922.96
3748327.35 0.00770 (12020808)
399957.96 3748327.35 0.00720 (12020808) 399992.96
3748327.35 0.00671 (12020808)
400027.96 3748327.35 0.00650 (16020108) 400062.96
3748327.35 0.00648 (16020108)
400097.96 3748327.35 0.00636 (16020108) 400132.96
3748327.35 0.00616 (16020108)
400167.96 3748327.35 0.00590 (16020108) 399467.96
3748362.35 0.00944 (16122708)
399502.96 3748362.35 0.01045 (16122708) 399537.96
3748362.35 0.01126 (16122708)
399572.96 3748362.35 0.01174 (16122708) 399607.96
3748362.35 0.01175 (16122708)
399642.96 3748362.35 0.01124 (16122708) 399677.96
3748362.35 0.01137 (12020808)
399712.96 3748362.35 0.01144 (12020808) 399747.96
3748362.35 0.01131 (12020808)
399782.96 3748362.35 0.01100 (12020808) 399817.96
3748362.35 0.01054 (12020808)
399852.96 3748362.35 0.00997 (12020808) 399887.96
3748362.35 0.00934 (12020808)
399922.96 3748362.35 0.00869 (12020808) 399957.96
3748362.35 0.00804 (12020808)
399992.96 3748362.35 0.00756 (16020108) 400027.96
3748362.35 0.00751 (16020108)
400062.96 3748362.35 0.00733 (16020108) 400097.96
3748362.35 0.00706 (16020108)
400132.96 3748362.35 0.00672 (16020108) 400167.96
3748362.35 0.00633 (16020108)
399467.96 3748397.35 0.01013 (16122708) 399502.96
3748397.35 0.01150 (16122708)
399537.96 3748397.35 0.01271 (16122708) 399572.96
3748397.35 0.01359 (16122708)
399607.96 3748397.35 0.01390 (16122708) 399642.96
3748397.35 0.01350 (16122708)
399677.96 3748397.35 0.01363 (12020808) 399712.96
3748397.35 0.01374 (12020808)
399747.96 3748397.35 0.01354 (12020808) 399782.96
3748397.35 0.01308 (12020808)
399817.96 3748397.35 0.01240 (12020808) 399852.96
3748397.35 0.01159 (12020808)
399887.96 3748397.35 0.01073 (12020808) 399922.96
3748397.35 0.00990 (12122414)
399957.96 3748397.35 0.00901 (12020808) 399992.96

3748397.35   0.00885 (16020108)
        400027.96   3748397.35   0.00858 (16020108)   400062.96
3748397.35   0.00819 (16020108)
        400097.96   3748397.35   0.00772 (16020108)   400132.96
3748397.35   0.00721 (16020108)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000507   , L0000508 , L0000509   , L0000510   , L0000511   ,
                 L0000512   , L0000513   , L0000514   , L0000515   , L0000516 , L0000517   , L0000518   , L0000519   ,
                 L0000520   , L0000521   , L0000522   , L0000523   , L0000524 , L0000525   , L0000526   , L0000527   ,
                 L0000528   , L0000529   , L0000530   , L0000531   , L0000532 , L0000533   , L0000534   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        400167.96   3748397.35   0.00669 (16020108)   399467.96
3748432.35   0.01076 (16122708)
        399502.96   3748432.35   0.01256 (16122708)   399537.96
3748432.35   0.01432 (16122708)
        399572.96   3748432.35   0.01580 (16122708)   399607.96
3748432.35   0.01663 (16122708)
        399642.96   3748432.35   0.01652 (16122708)   399677.96
3748432.35   0.01673 (12020808)
        399712.96   3748432.35   0.01690 (12020808)   399747.96
3748432.35   0.01659 (12020808)
        399782.96   3748432.35   0.01586 (12020808)   399817.96
3748432.35   0.01483 (12020808)
        399852.96   3748432.35   0.01365 (12020808)   399887.96
3748432.35   0.01261 (12122414)
        399922.96   3748432.35   0.01133 (12122414)   399957.96

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3748432.35        0.01064  (16020108)
        399992.96   3748432.35        0.01023  (16020108)                400027.96
3748432.35        0.00965  (16020108)
        400062.96   3748432.35        0.00900  (16020108)                400097.96
3748432.35        0.00830  (16020108)
        400132.96   3748432.35        0.00761  (16020108)                400167.96
3748432.35        0.00694  (16020108)
        399467.96   3748467.35        0.01342  (14121615)                399502.96
3748467.35        0.01359  (16122708)
        399537.96   3748467.35        0.01605  (16122708)                399572.96
3748467.35        0.01840  (16122708)
        399607.96   3748467.35        0.02013  (16122708)                399642.96
3748467.35        0.02065  (16122708)
        399677.96   3748467.35        0.02118  (12020808)                399712.96
3748467.35        0.02148  (12020808)
        399747.96   3748467.35        0.02095  (12020808)                399782.96
3748467.35        0.01972  (12020808)
        399817.96   3748467.35        0.01807  (12020808)                399852.96
3748467.35        0.01650  (12122414)
        399887.96   3748467.35        0.01491  (12122414)                399922.96
3748467.35        0.01315  (16020108)
        399957.96   3748467.35        0.01248  (16020108)                399992.96
3748467.35        0.01161  (16020108)
        400027.96   3748467.35        0.01065  (16020108)                400062.96
3748467.35        0.00968  (16020108)
        400097.96   3748467.35        0.00875  (16020108)                400132.96
3748467.35        0.00787  (16020108)
        400167.96   3748467.35        0.00706  (16020108)                399467.96
3748502.35        0.01624  (14121615)
        399537.96   3748502.35        0.01829  (14121615)                399572.96
3748502.35        0.02137  (16122708)
        399607.96   3748502.35        0.02460  (16122708)                399642.96
3748502.35        0.02643  (16122708)
        399677.96   3748502.35        0.02799  (12020808)                399712.96
3748502.35        0.02857  (12020808)
        399747.96   3748502.35        0.02755  (12020808)                400062.96
3748502.35        0.01017  (16020108)
        400097.96   3748502.35        0.00900  (16020108)                400132.96
3748502.35        0.00796  (16020108)
        400167.96   3748502.35        0.00703  (16020108)                399467.96
3748537.35        0.01841  (14121615)
        399537.96   3748537.35        0.02451  (14121615)                399572.96
3748537.35        0.02611  (14121615)
        399607.96   3748537.35        0.03031  (16122708)                399642.96
3748537.35        0.03526  (12020808)
        399677.96   3748537.35        0.03946  (12020808)                399712.96
3748537.35        0.04083  (12020808)
        399747.96   3748537.35        0.03854  (12020808)                400062.96
3748537.35        0.01041  (16020108)
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        399440.29   3748702.14        0.00834  (13112216)               399614.54
3748701.39        0.04177  (14121616)
        399370.29   3748737.14        0.00605  (13112216)               399405.29
3748737.14        0.00722  (13112216)
        399440.29   3748737.14        0.00871  (13112216)               399614.54
3748736.39        0.04217  (14121616)
        399370.29   3748772.14        0.00573  (13112216)               399405.29
3748772.14        0.00678  (13112216)
        399440.29   3748772.14        0.00813  (13112216)               399614.54
3748771.39        0.03875  (14121616)
        399370.29   3748807.14        0.00494  (13112216)               399405.29
3748807.14        0.00586  (14121616)
        399440.29   3748807.14        0.00709  (14121616)               399614.54
3748806.39        0.03249b (13121916)
        399370.29   3748842.14        0.00437  (14121616)               399405.29
3748842.14        0.00509  (14121616)
        399440.29   3748842.14        0.00604b (13121916)               399370.29
3748877.14        0.00399b (13121916)
        399405.29   3748877.14        0.00502b (13121916)               399440.29
3748877.14        0.00629b (13121916)
        399417.99   3749014.56        0.00341b (13121916)               399440.99
3749014.56        0.00342  (13021916)
        399417.99   3749049.56        0.00285  (13021916)               399440.99
3749049.56        0.00319  (13021916)
        399463.99   3749049.56        0.00351  (13021916)               399486.99
3749049.56        0.00378  (13021916)
        399509.99   3749049.56        0.00398  (16122316)               399532.99
3749049.56        0.00466  (16122316)
        399555.99   3749049.56        0.00534  (16122316)               399578.99
3749049.56        0.00591  (16122316)
        399601.99   3749049.56        0.00703  (13111516)               399624.99
3749049.56        0.00811  (13111516)
        399647.99   3749049.56        0.00892  (13111516)               399670.99
3749049.56        0.00918  (13111516)
        399693.99   3749049.56        0.00878  (13111516)               399716.99
3749049.56        0.00772  (13111516)
        399739.99   3749049.56        0.00842m (12052516)               399762.99
3749049.56        0.00868m (12052516)
        399785.99   3749049.56        0.00828m (12052516)               399808.99
3749049.56        0.00814  (12052416)
        399831.99   3749049.56        0.00814  (12052416)               399854.99
3749049.56        0.00779  (16050516)
        399877.99   3749049.56        0.00729  (16050516)               399302.99
3749084.56        0.00219b (13121916)
        399325.99   3749084.56        0.00219b (13121916)               399348.99
3749084.56        0.00216b (13121916)
        399371.99   3749084.56        0.00215  (13021916)               399394.99
3749084.56        0.00242  (13021916)
        399417.99   3749084.56        0.00270  (13021916)               399440.99
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3749084.56   0.00295 (13021916)
        399463.99   3749084.56   0.00316 (13021916)   399486.99
3749084.56   0.00330 (13021916)
        399509.99   3749084.56   0.00375 (16122316)   399532.99
3749084.56   0.00429 (16122316)
        399555.99   3749084.56   0.00479 (16122316)   399578.99
3749084.56   0.00527 (13111516)
        399624.99   3749084.56   0.00686 (13111516)   399647.99
3749084.56   0.00737 (13111516)
        399670.99   3749084.56   0.00747 (13111516)   399693.99
3749084.56   0.00711 (13111516)
        399716.99   3749084.56   0.00630 (13111516)   399739.99
3749084.56   0.00687m (12052516)
        399762.99   3749084.56   0.00722m (12052516)   399785.99
3749084.56   0.00707m (12052516)
        399808.99   3749084.56   0.00652 (12052416)   399831.99
3749084.56   0.00674 (12052416)
        399854.99   3749084.56   0.00663 (12052416)   399877.99
3749084.56   0.00636 (16050516)
        400084.99   3749084.56   0.00311 (12050316)   399302.99
3749119.56   0.00180b (13121916)
        399325.99   3749119.56   0.00174b (13121916)   399348.99
3749119.56   0.00188 (13021916)
        399371.99   3749119.56   0.00209 (13021916)   399394.99
3749119.56   0.00230 (13021916)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000507   , L0000508 , L0000509   , L0000510   , L0000511   ,
                 L0000512   , L0000513   , L0000514   , L0000515   , L0000516 , L0000517   , L0000518   , L0000519   ,
                 L0000520   , L0000521   , L0000522   , L0000523   , L0000524 , L0000525   , L0000526   , L0000527   ,
                 L0000528   , L0000529   , L0000530   , L0000531   , L0000532 , L0000533   , L0000534   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399417.99	3749119.56	0.00249	(13021916)	399440.99	3749119.56	0.00265	(13021916)
399463.99	3749119.56	0.00277	(13021916)	399486.99	3749119.56	0.00303	(16122316)
399509.99	3749119.56	0.00346	(16122316)	399532.99	3749119.56	0.00387	(16122316)
399555.99	3749119.56	0.00421	(16122316)	399578.99	3749119.56	0.00470	(13111516)
399624.99	3749119.56	0.00587	(13111516)	399647.99	3749119.56	0.00621	(13111516)
399670.99	3749119.56	0.00624	(13111516)	399693.99	3749119.56	0.00591	(13111516)
399716.99	3749119.56	0.00528	(13111516)	399739.99	3749119.56	0.00573m	(12052516)
399762.99	3749119.56	0.00610m	(12052516)	399785.99	3749119.56	0.00611m	(12052516)
399808.99	3749119.56	0.00577m	(12052516)	399831.99	3749119.56	0.00556	(12052416)
399854.99	3749119.56	0.00563	(12052416)	399877.99	3749119.56	0.00549	(12052416)
400038.99	3749119.56	0.00321	(12050316)	400061.99	3749119.56	0.00308	(12050316)
400084.99	3749119.56	0.00292	(12050316)	399302.99	3749154.56	0.00147	(13021916)
399325.99	3749154.56	0.00165	(13021916)	399348.99	3749154.56	0.00183	(13021916)
399371.99	3749154.56	0.00199	(13021916)	399394.99	3749154.56	0.00214	(13021916)
399417.99	3749154.56	0.00227	(13021916)	399440.99	3749154.56	0.00235	(13021916)
399463.99	3749154.56	0.00250	(16122316)	399486.99	3749154.56	0.00284	(16122316)
399509.99	3749154.56	0.00318	(16122316)	399532.99	3749154.56	0.00349	(16122316)
399555.99	3749154.56	0.00370	(16122316)	399578.99	3749154.56	0.00419	(13111516)
399624.99	3749154.56	0.00503	(13111516)	399647.99	3749154.56	0.00523	(13111516)
399670.99	3749154.56	0.00522	(13111516)	399693.99	3749154.56	0.00495	(13111516)
399716.99	3749154.56	0.00445	(13111516)	399739.99	3749154.56	0.00478m	(12052516)
399762.99	3749154.56	0.00514m	(12052516)	399785.99	3749154.56	0.00524m	(12052516)

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        399808.99   3749154.56        0.00507m (12052516)                399831.99
3749154.56        0.00467m (12052516)
        399854.99   3749154.56        0.00476  (12052416)                399877.99
3749154.56        0.00476  (12052416)
        399923.99   3749154.56        0.00447  (16050516)                399946.99
3749154.56        0.00418  (16050516)
        399969.99   3749154.56        0.00384  (12042316)                399992.99
3749154.56        0.00356  (12042316)
        400015.99   3749154.56        0.00324  (12042316)                400038.99
3749154.56        0.00288  (12042316)
        400061.99   3749154.56        0.00275  (12050316)                400084.99
3749154.56        0.00266  (12050316)
        399302.99   3749189.56        0.00146  (13021916)                399325.99
3749189.56        0.00161  (13021916)
        399348.99   3749189.56        0.00175  (13021916)                399371.99
3749189.56        0.00187  (13021916)
        399394.99   3749189.56        0.00196  (13021916)                399417.99
3749189.56        0.00203  (13021916)
        399440.99   3749189.56        0.00208  (16122316)                399463.99
3749189.56        0.00236  (16122316)
        399486.99   3749189.56        0.00265  (16122316)                399509.99
3749189.56        0.00293  (16122316)
        399532.99   3749189.56        0.00315  (16122316)                399555.99
3749189.56        0.00333  (13111516)
        399578.99   3749189.56        0.00374  (13111516)                399624.99
3749189.56        0.00439  (13111516)
        399647.99   3749189.56        0.00453  (13111516)                399670.99
3749189.56        0.00449  (13111516)
        399693.99   3749189.56        0.00426  (13111516)                399716.99
3749189.56        0.00384  (13111516)
        399739.99   3749189.56        0.00408m (12052516)                399762.99
3749189.56        0.00441m (12052516)
        399785.99   3749189.56        0.00456m (12052516)                399808.99
3749189.56        0.00449m (12052516)
        399831.99   3749189.56        0.00422m (12052516)                399854.99
3749189.56        0.00402  (12052416)
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                             *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
               L0000512    , L0000513    , L0000514    , L0000515    , L0000516
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, L0000517    , L0000518    , L0000519    ,
                L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        399877.99   3749189.56        0.00410  (12052416)                400015.99
3749189.56        0.00308  (12042316)
        400038.99   3749189.56        0.00282  (12042316)                400061.99
3749189.56        0.00253  (12042316)
        400084.99   3749189.56        0.00238  (12050316)                399302.99
3749224.56        0.00142  (13021916)
        399325.99   3749224.56        0.00154  (13021916)                399348.99
3749224.56        0.00164  (13021916)
        399371.99   3749224.56        0.00172  (13021916)                399394.99
3749224.56        0.00177  (13021916)
        399417.99   3749224.56        0.00179  (13021916)                399440.99
3749224.56        0.00198  (16122316)
        399463.99   3749224.56        0.00222  (16122316)                399486.99
3749224.56        0.00245  (16122316)
        399509.99   3749224.56        0.00267  (16122316)                399532.99
3749224.56        0.00282  (16122316)
        399555.99   3749224.56        0.00302  (13111516)                399578.99
3749224.56        0.00335  (13111516)
        399624.99   3749224.56        0.00383  (13111516)                399647.99
3749224.56        0.00393  (13111516)
        399670.99   3749224.56        0.00388  (13111516)                399693.99
3749224.56        0.00368  (13111516)
        399716.99   3749224.56        0.00333  (13111516)                399739.99
3749224.56        0.00353m (12052516)
        399762.99   3749224.56        0.00384m (12052516)                399785.99
3749224.56        0.00400m (12052516)
        399808.99   3749224.56        0.00398m (12052516)                399831.99
3749224.56        0.00381m (12052516)
        399854.99   3749224.56        0.00351m (12052516)                399877.99
3749224.56        0.00353  (12052416)
        400015.99   3749224.56        0.00288  (12042316)                400038.99
3749224.56        0.00269  (12042316)
        400061.99   3749224.56        0.00247  (12042316)                400084.99
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3749224.56        0.00224  (12042316)
        400112.30   3748645.81        0.00337  (15122516)                400147.30
3748645.81        0.00280  (15122516)
        400182.30   3748645.81        0.00233  (15122516)                400217.30
3748645.81        0.00199  (13011016)
        400252.30   3748645.81        0.00174  (13011016)                400287.30
3748645.81        0.00153  (13011016)
        400322.30   3748645.81        0.00136  (13011016)                400357.30
3748645.81        0.00121  (13011016)
        400392.30   3748645.81        0.00108  (13011016)                400112.30
3748680.81        0.00301  (12122616)
        400147.30   3748680.81        0.00260  (12122616)                400182.30
3748680.81        0.00226  (12122616)
        400217.30   3748680.81        0.00198  (12122616)                400252.30
3748680.81        0.00175  (13040816)
        400287.30   3748680.81        0.00156  (13040816)                400322.30
3748680.81        0.00140  (13040816)
        400357.30   3748680.81        0.00126  (13040816)                400392.30
3748680.81        0.00114  (13040816)
        400112.30   3748715.81        0.00326  (15101616)                400147.30
3748715.81        0.00279  (14032616)
        400182.30   3748715.81        0.00243  (14032616)                400217.30
3748715.81        0.00214  (13040816)
        400252.30   3748715.81        0.00189  (13040816)                400287.30
3748715.81        0.00169  (13040816)
        400322.30   3748715.81        0.00151  (13040816)                400357.30
3748715.81        0.00136  (13040816)
        400392.30   3748715.81        0.00123  (13040816)                400112.30
3748750.81        0.00368  (12110916)
        400147.30   3748750.81        0.00316  (12110916)                400182.30
3748750.81        0.00272  (12110916)
        400217.30   3748750.81        0.00237  (12110916)                400252.30
3748750.81        0.00208  (12110916)
        400287.30   3748750.81        0.00183  (12110916)                400322.30
3748750.81        0.00163  (14032616)
        400357.30   3748750.81        0.00147  (14032616)                400392.30
3748750.81        0.00133  (14032616)
        400112.30   3748785.81        0.00394  (12110916)                400147.30
3748785.81        0.00340  (12110916)
        400182.30   3748785.81        0.00294  (12110916)                400217.30
3748785.81        0.00257  (12110916)
        400252.30   3748785.81        0.00226  (12110916)                400287.30
3748785.81        0.00201  (12110916)
        400322.30   3748785.81        0.00178  (12110916)                400357.30
3748785.81        0.00160  (12110916)
        400392.30   3748785.81        0.00143  (12110916)                400112.30
3748820.81        0.00394  (12110916)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000507   , L0000508 , L0000509   , L0000510   , L0000511   ,
L0000512   , L0000513   , L0000514   , L0000515   , L0000516 , L0000517   , L0000518   , L0000519   ,
L0000520   , L0000521   , L0000522   , L0000523   , L0000524 , L0000525   , L0000526   , L0000527   ,
L0000528   , L0000529   , L0000530   , L0000531   , L0000532 , L0000533   , L0000534   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400147.30	3748820.81	0.00344	(12110916)	400182.30	3748820.81	0.00301	(12110916)
400217.30	3748820.81	0.00266	(12110916)	400252.30	3748820.81	0.00236	(12110916)
400287.30	3748820.81	0.00210	(12110916)	400322.30	3748820.81	0.00188	(12110916)
400357.30	3748820.81	0.00169	(12110916)	400392.30	3748820.81	0.00152	(12110916)
400112.30	3748855.81	0.00369	(12110916)	400147.30	3748855.81	0.00327	(12110916)
400182.30	3748855.81	0.00291	(12110916)	400217.30	3748855.81	0.00261	(12110916)
400252.30	3748855.81	0.00234	(12110916)	400287.30	3748855.81	0.00210	(12110916)
400322.30	3748855.81	0.00190	(12110916)	400357.30	3748855.81	0.00172	(12110916)
400392.30	3748855.81	0.00156	(12110916)	400112.30	3748890.81	0.00323	(12110916)
400147.30	3748890.81	0.00294	(12110916)	400182.30	3748890.81	0.00267	(12110916)
400217.30	3748890.81	0.00243	(12110916)	400252.30	3748890.81	0.00221	(12110916)

400287.30 3748890.81 0.00201 (12110916) 400322.30 3748890.81 0.00184 (12110916)
400357.30 3748890.81 0.00168 (12110916) 400392.30 3748890.81 0.00154 (12110916)
400112.30 3748925.81 0.00266 (12110916) 400147.30 3748925.81 0.00249 (12110916)
400182.30 3748925.81 0.00232 (12110916) 400217.30 3748925.81 0.00215 (12110916)
400252.30 3748925.81 0.00200 (12110916) 400287.30 3748925.81 0.00185 (12110916)
400322.30 3748925.81 0.00171 (12110916) 400357.30 3748925.81 0.00158 (12110916)
400392.30 3748925.81 0.00147 (12110916) 399467.96 3748222.35 0.00112 (16122716)
399502.96 3748222.35 0.00113 (16122716) 399537.96 3748222.35 0.00117m (13121016)
399572.96 3748222.35 0.00122m (13121016) 399607.96 3748222.35 0.00123m (13121016)
399642.96 3748222.35 0.00121m (13121016) 399677.96 3748222.35 0.00115m (13121016)
399712.96 3748222.35 0.00108m (13121016) 399747.96 3748222.35 0.00106c (12121008)
399782.96 3748222.35 0.00104c (12121008) 399817.96 3748222.35 0.00102c (12121008)
399852.96 3748222.35 0.00099c (12121008) 399887.96 3748222.35 0.00095c (12121008)
399922.96 3748222.35 0.00092c (12121008) 399957.96 3748222.35 0.00087c (12121008)
399992.96 3748222.35 0.00085 (13010216) 400027.96 3748222.35 0.00086 (13010216)
400062.96 3748222.35 0.00085 (13010216) 400097.96 3748222.35 0.00091 (15121416)
400132.96 3748222.35 0.00104 (15121416) 400167.96 3748222.35 0.00114 (15121416)
399467.96 3748257.35 0.00132 (16122716) 399502.96 3748257.35 0.00133 (16122716)
399537.96 3748257.35 0.00133m (13121016) 399572.96 3748257.35 0.00141m (13121016)
399607.96 3748257.35 0.00145m (13121016) 399642.96 3748257.35 0.00143m (13121016)
399677.96 3748257.35 0.00136m (13121016) 399712.96 3748257.35 0.00128m (13121016)
399747.96 3748257.35 0.00120c (12121008) 399782.96 3748257.35 0.00118c (12121008)
399817.96 3748257.35 0.00115c (12121008) 399852.96 3748257.35 0.00111c (12121008)
399887.96 3748257.35 0.00106c (12121008) 399922.96 3748257.35 0.00102c (12121008)
399957.96 3748257.35 0.00099 (13010216) 399992.96

3748257.35   0.00101 (13010216)
        400027.96   3748257.35   0.00100 (13010216)   400062.96
3748257.35   0.00105 (15121416)
        400097.96   3748257.35   0.00120 (15121416)   400132.96
3748257.35   0.00133 (15121416)
        400167.96   3748257.35   0.00141 (15121416)   399467.96
3748292.35   0.00154 (16122716)
        399502.96   3748292.35   0.00158 (16122716)   399537.96
3748292.35   0.00159 (16122716)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   L0000507   , L0000508 , L0000509   , L0000510   , L0000511   ,
                L0000512   , L0000513   , L0000514   , L0000515   , L0000516 , L0000517   , L0000518   , L0000519   ,
                L0000520   , L0000521   , L0000522   , L0000523   , L0000524 , L0000525   , L0000526   , L0000527   ,
                L0000528   , L0000529   , L0000530   , L0000531   , L0000532 , L0000533   , L0000534   , . . .   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        399572.96   3748292.35   0.00164m (13121016)   399607.96
3748292.35   0.00171m (13121016)
        399642.96   3748292.35   0.00170m (13121016)   399677.96
3748292.35   0.00164m (13121016)
        399712.96   3748292.35   0.00154m (13121016)   399747.96
3748292.35   0.00143m (13121016)
        399782.96   3748292.35   0.00135m (13121016)   399817.96
3748292.35   0.00130c (12121008)
        399852.96   3748292.35   0.00125c (12121008)   399887.96
3748292.35   0.00121 (12030216)
        399922.96   3748292.35   0.00116 (13010216)   399957.96

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3748292.35        0.00119  (13010216)
        399992.96   3748292.35        0.00119  (13010216)                400027.96
3748292.35        0.00122  (15121416)
        400062.96   3748292.35        0.00141  (15121416)                400097.96
3748292.35        0.00155  (15121416)
        400132.96   3748292.35        0.00165  (15121416)                400167.96
3748292.35        0.00170  (15121416)
        399467.96   3748327.35        0.00181  (16122716)                399502.96
3748327.35        0.00188  (16122716)
        399537.96   3748327.35        0.00192  (16122716)                399572.96
3748327.35        0.00192  (16122716)
        399607.96   3748327.35        0.00203m (13121016)                399642.96
3748327.35        0.00206m (13121016)
        399677.96   3748327.35        0.00199m (13121016)                399712.96
3748327.35        0.00188m (13121016)
        399747.96   3748327.35        0.00175m (13121016)                399782.96
3748327.35        0.00165m (13121016)
        399817.96   3748327.35        0.00156m (13121016)                399852.96
3748327.35        0.00148  (12030216)
        399887.96   3748327.35        0.00142  (12030216)                399922.96
3748327.35        0.00143  (13010216)
        399957.96   3748327.35        0.00144  (13010216)                399992.96
3748327.35        0.00143  (15121416)
        400027.96   3748327.35        0.00167  (15121416)                400062.96
3748327.35        0.00184  (15121416)
        400097.96   3748327.35        0.00195  (15121416)                400132.96
3748327.35        0.00199  (15121416)
        400167.96   3748327.35        0.00198  (15121416)                399467.96
3748362.35        0.00211  (16122716)
        399502.96   3748362.35        0.00224  (16122716)                399537.96
3748362.35        0.00234  (16122716)
        399572.96   3748362.35        0.00237  (16122716)                399607.96
3748362.35        0.00244m (13121016)
        399642.96   3748362.35        0.00252m (13121016)                399677.96
3748362.35        0.00247m (13121016)
        399712.96   3748362.35        0.00234m (13121016)                399747.96
3748362.35        0.00218m (13121016)
        399782.96   3748362.35        0.00203m (13121016)                399817.96
3748362.35        0.00190m (13121016)
        399852.96   3748362.35        0.00178  (12030216)                399887.96
3748362.35        0.00174  (13010216)
        399922.96   3748362.35        0.00176  (13010216)                399957.96
3748362.35        0.00172  (13010216)
        399992.96   3748362.35        0.00200  (15121416)                400027.96
3748362.35        0.00222  (15121416)
        400062.96   3748362.35        0.00234  (15121416)                400097.96
3748362.35        0.00237  (15121416)
        400132.96   3748362.35        0.00233  (15121416)                400167.96
3748362.35        0.00224  (15121416)
```

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        399467.96   3748397.35        0.00243  (16122716)               399502.96
3748397.35        0.00266  (16122716)
        399537.96   3748397.35        0.00285  (16122716)               399572.96
3748397.35        0.00295  (16122716)
        399607.96   3748397.35        0.00296m (13121016)               399642.96
3748397.35        0.00315m (13121016)
        399677.96   3748397.35        0.00313m (13121016)               399712.96
3748397.35        0.00298m (13121016)
        399747.96   3748397.35        0.00277m (13121016)               399782.96
3748397.35        0.00255m (13121016)
        399817.96   3748397.35        0.00234m (13121016)               399852.96
3748397.35        0.00216  (13010216)
        399887.96   3748397.35        0.00221  (13010216)               399922.96
3748397.35        0.00216  (13010216)
        399957.96   3748397.35        0.00245  (15121416)               399992.96
3748397.35        0.00272  (15121416)
        400027.96   3748397.35        0.00285  (15121416)               400062.96
3748397.35        0.00286  (15121416)
        400097.96   3748397.35        0.00278  (15121416)               400132.96
3748397.35        0.00263  (15121416)
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:32:00

                                   PAGE 323
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000507    , L0000508
, L0000509    , L0000510    , L0000511    ,
                  L0000512    , L0000513    , L0000514    , L0000515    , L0000516
, L0000517    , L0000518    , L0000519    ,
                  L0000520    , L0000521    , L0000522    , L0000523    , L0000524
, L0000525    , L0000526    , L0000527    ,
                  L0000528    , L0000529    , L0000530    , L0000531    , L0000532
, L0000533    , L0000534    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        400167.96   3748397.35        0.00243  (15121416)              399467.96
3748432.35        0.00287m (12111216)
        399502.96   3748432.35        0.00313  (16122716)              399537.96
3748432.35        0.00346  (16122716)
        399572.96   3748432.35        0.00371  (16122716)              399607.96
3748432.35        0.00380  (16122716)
        399642.96   3748432.35        0.00400m (13121016)              399677.96
3748432.35        0.00408m (13121016)
        399712.96   3748432.35        0.00392m (13121016)              399747.96
3748432.35        0.00362m (13121016)
        399782.96   3748432.35        0.00327m (13121016)              399817.96
3748432.35        0.00290m (13121016)
        399852.96   3748432.35        0.00285  (13010216)              399887.96
3748432.35        0.00280  (13010216)
        399922.96   3748432.35        0.00308  (15121416)              399957.96
3748432.35        0.00341  (15121416)
        399992.96   3748432.35        0.00355  (15121416)              400027.96
3748432.35        0.00351  (15121416)
        400062.96   3748432.35        0.00335  (15121416)              400097.96
3748432.35        0.00312  (15121416)
        400132.96   3748432.35        0.00284  (15121416)              400167.96
3748432.35        0.00254  (15121416)
        399467.96   3748467.35        0.00365m (12111216)              399502.96
3748467.35        0.00382m (12111216)
        399537.96   3748467.35        0.00418  (16122716)              399572.96
3748467.35        0.00467  (16122716)
        399607.96   3748467.35        0.00500  (16122716)              399642.96
3748467.35        0.00519m (13121016)
        399677.96   3748467.35        0.00549m (13121016)              399712.96
3748467.35        0.00535m (13121016)
        399747.96   3748467.35        0.00489m (13121016)              399782.96
3748467.35        0.00428m (13121016)
        399817.96   3748467.35        0.00384  (13010216)              399852.96
3748467.35        0.00378  (13010216)
        399887.96   3748467.35        0.00400  (15121416)              399922.96
3748467.35        0.00441  (15121416)
        399957.96   3748467.35        0.00453  (15121416)              399992.96
3748467.35        0.00440  (15121416)
        400027.96   3748467.35        0.00411  (15121416)              400062.96
3748467.35        0.00374  (15121416)
        400097.96   3748467.35        0.00333  (15121416)              400132.96
3748467.35        0.00292  (15121416)
        400167.96   3748467.35        0.00270  (15122516)              399467.96
3748502.35        0.00452m (12111216)
        399537.96   3748502.35        0.00532m (12111216)              399572.96
3748502.35        0.00586  (16122716)
        399607.96   3748502.35        0.00664  (16122716)              399642.96
3748502.35        0.00699  (16122716)
        399677.96   3748502.35        0.00774m (13121016)              399712.96
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3748502.35   0.00771m (13121016)
        399747.96   3748502.35   0.00691m (13121016)   400062.96
3748502.35   0.00394 (15121416)
        400097.96   3748502.35   0.00358 (15122516)   400132.96
3748502.35   0.00330 (15122516)
        400167.96   3748502.35   0.00302 (15122516)   399467.96
3748537.35   0.00536m (12111216)
        399537.96   3748537.35   0.00718m (12111216)   399572.96
3748537.35   0.00789m (12111216)
        399607.96   3748537.35   0.00884 (16122716)   399642.96
3748537.35   0.01012 (16122716)
        399677.96   3748537.35   0.01155m (13121016)   399712.96
3748537.35   0.01193m (13121016)
        399747.96   3748537.35   0.01031m (13121016)   400062.96
3748537.35   0.00452 (15122516)
        400097.96   3748537.35   0.00406 (15122516)   400132.96
3748537.35   0.00362 (15122516)
        400167.96   3748537.35   0.00322 (15122516)   399467.96
3748572.35   0.00607m (12111216)
        399747.96   3748572.35   0.01677m (13121016)   400062.96
3748572.35   0.00501 (15122516)
        400097.96   3748572.35   0.00436 (15122516)   400132.96
3748572.35   0.00380 (15122516)
        400167.96   3748572.35   0.00330 (15122516)   399636.52
3748735.82   0.06037 (14121616)
        399636.52   3748770.82   0.05654 (14121616)   399636.52
3748805.82   0.04689b (13121916)
        399636.52   3748665.82   0.05190 (14121616)   399636.52
3748700.82   0.05996 (14121616)

                                     *** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                      NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -

```
- - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.00659 AT (  399636.52,  3748735.82,    17.80,
   17.80,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00633 AT (  399636.52,  3748700.82,    17.79,
   17.79,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00626 AT (  399636.52,  3748770.82,    17.83,
   17.83,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00542 AT (  399636.52,  3748665.82,    17.96,
   17.96,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00487 AT (  399636.52,  3748805.82,    17.91,
   17.91,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00383 AT (  399614.54,  3748736.39,    17.99,
   17.99,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00370 AT (  399614.54,  3748701.39,    17.98,
   17.98,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00359 AT (  399614.54,  3748771.39,    18.18,
   18.18,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00322 AT (  399614.54,  3748666.39,    18.10,
   18.10,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00290 AT (  399614.54,  3748806.39,    18.07,
   18.07,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 325
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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```
ALL      HIGH   1ST HIGH VALUE IS       0.14611  ON 12020808: AT (  399636.52,
3748735.82,    17.80,    17.80,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 326
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  8-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
               **

                                                        DATE
                                            NETWORK
GROUP ID                            AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.06037  ON 14121616: AT (  399636.52,
3748735.82,    17.80,    17.80,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia
Blvd_SP_Const_T4\Artesia Blvd_SP_Const_ ***        09/02/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:32:00

                                  PAGE 327
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***
```

```
 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         2285 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of         1588 Calm Hours Identified

A Total of          697 Missing Hours Identified (  1.59 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    4130       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187    4130       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

HARP2 - HRACalc (dated 22094) 9/6/2022 7:50:45 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk saved to: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\RAST\Construction\Mit_construct_revisedCancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\RAST\Construction\Mit_construct_revisedNCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\RAST\Construction\Mit_construct_revisedNCAcuteRisk.csv
HRA ran successfully

Traffic Volumes

	AADT	Percent Trucks	Truck ADT	Other Vehicle ADT
SR-91	261,000	5.65%	14,747	246,254

Source: Caltrans, Traffic Census Program, 2020 Annual Average Daily Truck Traffic Volumes, https://dot.ca.gov/programs/traffic-operations/census

Source	Speed (mph)	Trips (veh/day)	Length (mi)
EB Truck Traffic	55	7,374	1.08
WB Truck Traffic	55	7,374	1.08
EB Auto Traffic	65	123,127	1.08
WB Auto Traffic	65	123,127	1.08

Emissions Rates

	2025		
Source	Emission Factor (g/mi)	Emissions (g/day)	Emission Rate (g/sec)
EB Truck Traffic	1.51E-02	1.21E+02	1.40E-03
WB Truck Traffic	1.51E-02	1.21E+02	1.40E-03
EB Auto Traffic	2.32E-02	3.09E+03	3.58E-02
WB Auto Traffic	2.32E-02	3.09E+03	3.58E-02

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 7/18/2022
** File: C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.ADI
**
**************************************
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**************************************
** AERMOD Control Pathway
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**
**
CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd SP_Const.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
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**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.009314631
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
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** 399738.701, 3748634.849, 17.57, 3.11, 3.95
** 399731.273, 3748807.725, 17.89, 3.11, 3.95
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** 399677.249, 3748655.108, 17.67, 3.11, 3.95
** 399723.844, 3748653.082, 17.79, 3.11, 3.95
** 399722.494, 3748796.920, 18.04, 3.11, 3.95
** 399687.378, 3748800.297, 18.12, 3.11, 3.95
** 399690.080, 3748665.912, 17.88, 3.11, 3.95
** 399711.689, 3748666.588, 17.81, 3.11, 3.95
** 399704.261, 3748790.167, 18.05, 3.11, 3.95
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   LOCATION L0000509     VOLUME   399695.122 3748634.849 17.82
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   LOCATION L0000512     VOLUME   399720.622 3748634.849 17.79
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   LOCATION L0000514     VOLUME   399737.622 3748634.849 17.64
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   LOCATION L0000516     VOLUME   399738.017 3748650.756 17.72
   LOCATION L0000517     VOLUME   399737.653 3748659.248 17.75
   LOCATION L0000518     VOLUME   399737.288 3748667.740 17.76
   LOCATION L0000519     VOLUME   399736.923 3748676.232 17.77
   LOCATION L0000520     VOLUME   399736.558 3748684.724 17.78
   LOCATION L0000521     VOLUME   399736.193 3748693.216 17.78
   LOCATION L0000522     VOLUME   399735.828 3748701.709 17.78
   LOCATION L0000523     VOLUME   399735.463 3748710.201 17.79
   LOCATION L0000524     VOLUME   399735.098 3748718.693 17.80
   LOCATION L0000525     VOLUME   399734.733 3748727.185 17.82
   LOCATION L0000526     VOLUME   399734.369 3748735.677 17.84
   LOCATION L0000527     VOLUME   399734.004 3748744.169 17.86
   LOCATION L0000528     VOLUME   399733.639 3748752.662 17.88
   LOCATION L0000529     VOLUME   399733.274 3748761.154 17.90
   LOCATION L0000530     VOLUME   399732.909 3748769.646 17.92
   LOCATION L0000531     VOLUME   399732.544 3748778.138 17.95
   LOCATION L0000532     VOLUME   399732.179 3748786.630 17.95
   LOCATION L0000533     VOLUME   399731.814 3748795.122 17.95
   LOCATION L0000534     VOLUME   399731.449 3748803.615 17.96
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   LOCATION L0000537     VOLUME   399709.888 3748807.464 18.09
   LOCATION L0000538     VOLUME   399701.389 3748807.360 18.11
   LOCATION L0000539     VOLUME   399692.890 3748807.257 18.12
   LOCATION L0000540     VOLUME   399684.390 3748807.153 18.00
   LOCATION L0000541     VOLUME   399675.898 3748807.042 17.86
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   LOCATION L0000543     VOLUME   399676.050 3748790.043 17.84
   LOCATION L0000544     VOLUME   399676.125 3748781.543 17.83
   LOCATION L0000545     VOLUME   399676.201 3748773.043 17.82
   LOCATION L0000546     VOLUME   399676.276 3748764.544 17.82
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LOCATION L0000550 VOLUME 399676.578 3748730.545 17.66
LOCATION L0000551 VOLUME 399676.654 3748722.045 17.60
LOCATION L0000552 VOLUME 399676.729 3748713.546 17.56
LOCATION L0000553 VOLUME 399676.805 3748705.046 17.56
LOCATION L0000554 VOLUME 399676.881 3748696.546 17.55
LOCATION L0000555 VOLUME 399676.956 3748688.047 17.55
LOCATION L0000556 VOLUME 399677.032 3748679.547 17.57
LOCATION L0000557 VOLUME 399677.107 3748671.047 17.61
LOCATION L0000558 VOLUME 399677.183 3748662.548 17.64
LOCATION L0000559 VOLUME 399678.308 3748655.062 17.68
LOCATION L0000560 VOLUME 399686.800 3748654.692 17.88
LOCATION L0000561 VOLUME 399695.292 3748654.323 17.93
LOCATION L0000562 VOLUME 399703.784 3748653.954 17.88
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LOCATION L0000564 VOLUME 399720.767 3748653.216 17.78
LOCATION L0000565 VOLUME 399723.794 3748658.502 17.78
LOCATION L0000566 VOLUME 399723.714 3748667.001 17.77
LOCATION L0000567 VOLUME 399723.634 3748675.501 17.77
LOCATION L0000568 VOLUME 399723.554 3748684.001 17.77
LOCATION L0000569 VOLUME 399723.474 3748692.500 17.77
LOCATION L0000570 VOLUME 399723.395 3748701.000 17.78
LOCATION L0000571 VOLUME 399723.315 3748709.499 17.79
LOCATION L0000572 VOLUME 399723.235 3748717.999 17.80
LOCATION L0000573 VOLUME 399723.155 3748726.499 17.84
LOCATION L0000574 VOLUME 399723.075 3748734.998 17.87
LOCATION L0000575 VOLUME 399722.995 3748743.498 17.90
LOCATION L0000576 VOLUME 399722.916 3748751.998 17.93
LOCATION L0000577 VOLUME 399722.836 3748760.497 17.96
LOCATION L0000578 VOLUME 399722.756 3748768.997 17.99
LOCATION L0000579 VOLUME 399722.676 3748777.496 18.03
LOCATION L0000580 VOLUME 399722.596 3748785.996 18.03
LOCATION L0000581 VOLUME 399722.517 3748794.496 18.03
LOCATION L0000582 VOLUME 399716.446 3748797.502 18.08
LOCATION L0000583 VOLUME 399707.985 3748798.315 18.09
LOCATION L0000584 VOLUME 399699.524 3748799.129 18.11
LOCATION L0000585 VOLUME 399691.063 3748799.942 18.11
LOCATION L0000586 VOLUME 399687.475 3748795.499 18.05
LOCATION L0000587 VOLUME 399687.646 3748787.001 18.05
LOCATION L0000588 VOLUME 399687.816 3748778.503 18.05
LOCATION L0000589 VOLUME 399687.987 3748770.005 18.06
LOCATION L0000590 VOLUME 399688.158 3748761.506 18.07
LOCATION L0000591 VOLUME 399688.329 3748753.008 18.09
LOCATION L0000592 VOLUME 399688.500 3748744.510 18.05
LOCATION L0000593 VOLUME 399688.671 3748736.011 17.95
LOCATION L0000594 VOLUME 399688.841 3748727.513 17.85
LOCATION L0000595 VOLUME 399689.012 3748719.015 17.74

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   LOCATION L0000597     VOLUME   399689.354 3748702.018 17.74
   LOCATION L0000598     VOLUME   399689.525 3748693.520 17.74
   LOCATION L0000599     VOLUME   399689.695 3748685.022 17.76
   LOCATION L0000600     VOLUME   399689.866 3748676.523 17.82
   LOCATION L0000601     VOLUME   399690.037 3748668.025 17.88
   LOCATION L0000602     VOLUME   399696.463 3748666.112 17.88
   LOCATION L0000603     VOLUME   399704.959 3748666.377 17.84
   LOCATION L0000604     VOLUME   399711.583 3748668.351 17.80
   LOCATION L0000605     VOLUME   399711.073 3748676.836 17.78
   LOCATION L0000606     VOLUME   399710.563 3748685.321 17.76
   LOCATION L0000607     VOLUME   399710.053 3748693.805 17.77
   LOCATION L0000608     VOLUME   399709.543 3748702.290 17.78
   LOCATION L0000609     VOLUME   399709.033 3748710.775 17.78
   LOCATION L0000610     VOLUME   399708.523 3748719.259 17.80
   LOCATION L0000611     VOLUME   399708.013 3748727.744 17.87
   LOCATION L0000612     VOLUME   399707.503 3748736.229 17.93
   LOCATION L0000613     VOLUME   399706.993 3748744.714 18.01
   LOCATION L0000614     VOLUME   399706.483 3748753.198 18.05
   LOCATION L0000615     VOLUME   399705.973 3748761.683 18.07
   LOCATION L0000616     VOLUME   399705.463 3748770.168 18.08
   LOCATION L0000617     VOLUME   399704.953 3748778.652 18.10
   LOCATION L0000618     VOLUME   399704.443 3748787.137 18.10
** End of LINE VOLUME Source ID = SLINE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Artesia Blvd
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 9.82E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
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** 399898.360, 3748607.081, 17.97, 3.11, 3.95
** 399253.646, 3748604.698, 18.64, 3.11, 3.95
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   LOCATION L0000398     VOLUME   400177.579 3748608.221 18.12
   LOCATION L0000399     VOLUME   400169.079 3748608.186 18.00
   LOCATION L0000400     VOLUME   400160.579 3748608.152 17.88
   LOCATION L0000401     VOLUME   400152.080 3748608.117 17.76
   LOCATION L0000402     VOLUME   400143.580 3748608.082 17.84
   LOCATION L0000403     VOLUME   400135.080 3748608.047 17.91
   LOCATION L0000404     VOLUME   400126.580 3748608.013 17.99
   LOCATION L0000405     VOLUME   400118.080 3748607.978 17.88
   LOCATION L0000406     VOLUME   400109.580 3748607.943 17.78
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LOCATION L0000408 VOLUME 400092.580 3748607.874 17.77
LOCATION L0000409 VOLUME 400084.080 3748607.839 17.86
LOCATION L0000410 VOLUME 400075.580 3748607.805 17.95
LOCATION L0000411 VOLUME 400067.080 3748607.770 17.93
LOCATION L0000412 VOLUME 400058.580 3748607.735 17.91
LOCATION L0000413 VOLUME 400050.080 3748607.701 17.88
LOCATION L0000414 VOLUME 400041.580 3748607.666 17.87
LOCATION L0000415 VOLUME 400033.080 3748607.631 17.86
LOCATION L0000416 VOLUME 400024.581 3748607.596 17.85
LOCATION L0000417 VOLUME 400016.081 3748607.562 17.86
LOCATION L0000418 VOLUME 400007.581 3748607.527 17.88
LOCATION L0000419 VOLUME 399999.081 3748607.492 17.89
LOCATION L0000420 VOLUME 399990.581 3748607.458 17.94
LOCATION L0000421 VOLUME 399982.081 3748607.423 17.99
LOCATION L0000422 VOLUME 399973.581 3748607.388 18.04
LOCATION L0000423 VOLUME 399965.081 3748607.354 18.03
LOCATION L0000424 VOLUME 399956.581 3748607.319 18.02
LOCATION L0000425 VOLUME 399948.081 3748607.284 18.01
LOCATION L0000426 VOLUME 399939.581 3748607.250 18.01
LOCATION L0000427 VOLUME 399931.081 3748607.215 18.01
LOCATION L0000428 VOLUME 399922.581 3748607.180 18.01
LOCATION L0000429 VOLUME 399914.081 3748607.145 17.99
LOCATION L0000430 VOLUME 399905.582 3748607.111 17.96
LOCATION L0000431 VOLUME 399897.082 3748607.077 17.94
LOCATION L0000432 VOLUME 399888.582 3748607.045 17.95
LOCATION L0000433 VOLUME 399880.082 3748607.014 17.96
LOCATION L0000434 VOLUME 399871.582 3748606.982 17.98
LOCATION L0000435 VOLUME 399863.082 3748606.951 17.95
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LOCATION L0000437 VOLUME 399846.082 3748606.888 17.85
LOCATION L0000438 VOLUME 399837.582 3748606.857 17.80
LOCATION L0000439 VOLUME 399829.082 3748606.825 17.74
LOCATION L0000440 VOLUME 399820.582 3748606.794 17.69
LOCATION L0000441 VOLUME 399812.082 3748606.762 17.68
LOCATION L0000442 VOLUME 399803.582 3748606.731 17.69
LOCATION L0000443 VOLUME 399795.082 3748606.699 17.69
LOCATION L0000444 VOLUME 399786.582 3748606.668 17.68
LOCATION L0000445 VOLUME 399778.082 3748606.637 17.67
LOCATION L0000446 VOLUME 399769.582 3748606.605 17.65
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LOCATION L0000448 VOLUME 399752.583 3748606.542 17.54
LOCATION L0000449 VOLUME 399744.083 3748606.511 17.47
LOCATION L0000450 VOLUME 399735.583 3748606.479 17.47
LOCATION L0000451 VOLUME 399727.083 3748606.448 17.50
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LOCATION L0000453 VOLUME 399710.083 3748606.385 17.52
LOCATION L0000454 VOLUME 399701.583 3748606.354 17.50
LOCATION L0000455 VOLUME 399693.083 3748606.322 17.48

LOCATION L0000456 VOLUME 399684.583 3748606.291 17.43
LOCATION L0000457 VOLUME 399676.083 3748606.260 17.36
LOCATION L0000458 VOLUME 399667.583 3748606.228 17.28
LOCATION L0000459 VOLUME 399659.083 3748606.197 17.30
LOCATION L0000460 VOLUME 399650.583 3748606.165 17.36
LOCATION L0000461 VOLUME 399642.083 3748606.134 17.42
LOCATION L0000462 VOLUME 399633.583 3748606.102 17.46
LOCATION L0000463 VOLUME 399625.083 3748606.071 17.50
LOCATION L0000464 VOLUME 399616.584 3748606.040 17.53
LOCATION L0000465 VOLUME 399608.084 3748606.008 17.57
LOCATION L0000466 VOLUME 399599.584 3748605.977 17.61
LOCATION L0000467 VOLUME 399591.084 3748605.945 17.64
LOCATION L0000468 VOLUME 399582.584 3748605.914 17.70
LOCATION L0000469 VOLUME 399574.084 3748605.882 17.78
LOCATION L0000470 VOLUME 399565.584 3748605.851 17.85
LOCATION L0000471 VOLUME 399557.084 3748605.820 17.89
LOCATION L0000472 VOLUME 399548.584 3748605.788 17.89
LOCATION L0000473 VOLUME 399540.084 3748605.757 17.90
LOCATION L0000474 VOLUME 399531.584 3748605.725 17.92
LOCATION L0000475 VOLUME 399523.084 3748605.694 17.95
LOCATION L0000476 VOLUME 399514.584 3748605.662 17.98
LOCATION L0000477 VOLUME 399506.084 3748605.631 18.00
LOCATION L0000478 VOLUME 399497.584 3748605.600 17.99
LOCATION L0000479 VOLUME 399489.084 3748605.568 17.99
LOCATION L0000480 VOLUME 399480.584 3748605.537 18.01
LOCATION L0000481 VOLUME 399472.085 3748605.505 18.05
LOCATION L0000482 VOLUME 399463.585 3748605.474 18.09
LOCATION L0000483 VOLUME 399455.085 3748605.443 18.13
LOCATION L0000484 VOLUME 399446.585 3748605.411 18.15
LOCATION L0000485 VOLUME 399438.085 3748605.380 18.17
LOCATION L0000486 VOLUME 399429.585 3748605.348 18.19
LOCATION L0000487 VOLUME 399421.085 3748605.317 18.22
LOCATION L0000488 VOLUME 399412.585 3748605.285 18.24
LOCATION L0000489 VOLUME 399404.085 3748605.254 18.27
LOCATION L0000490 VOLUME 399395.585 3748605.223 18.31
LOCATION L0000491 VOLUME 399387.085 3748605.191 18.35
LOCATION L0000492 VOLUME 399378.585 3748605.160 18.39
LOCATION L0000493 VOLUME 399370.085 3748605.128 18.41
LOCATION L0000494 VOLUME 399361.585 3748605.097 18.43
LOCATION L0000495 VOLUME 399353.085 3748605.065 18.45
LOCATION L0000496 VOLUME 399344.585 3748605.034 18.48
LOCATION L0000497 VOLUME 399336.085 3748605.003 18.51
LOCATION L0000498 VOLUME 399327.586 3748604.971 18.53
LOCATION L0000499 VOLUME 399319.086 3748604.940 18.54
LOCATION L0000500 VOLUME 399310.586 3748604.908 18.56
LOCATION L0000501 VOLUME 399302.086 3748604.877 18.57
LOCATION L0000502 VOLUME 399293.586 3748604.845 18.58
LOCATION L0000503 VOLUME 399285.086 3748604.814 18.58
LOCATION L0000504 VOLUME 399276.586 3748604.783 18.59

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   LOCATION L0000505     VOLUME   399268.086 3748604.751 18.61
   LOCATION L0000506     VOLUME   399259.586 3748604.720 18.64
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Fallon Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 2.09E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399656.444, 3748806.097, 17.78, 3.11, 3.95
** 399656.444, 3748620.190, 17.30, 3.11, 3.95
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   LOCATION L0000224     VOLUME   399656.444 3748793.347 17.73
   LOCATION L0000225     VOLUME   399656.444 3748784.847 17.70
   LOCATION L0000226     VOLUME   399656.444 3748776.347 17.68
   LOCATION L0000227     VOLUME   399656.444 3748767.847 17.67
   LOCATION L0000228     VOLUME   399656.444 3748759.347 17.65
   LOCATION L0000229     VOLUME   399656.444 3748750.847 17.64
   LOCATION L0000230     VOLUME   399656.444 3748742.347 17.61
   LOCATION L0000231     VOLUME   399656.444 3748733.847 17.58
   LOCATION L0000232     VOLUME   399656.444 3748725.347 17.56
   LOCATION L0000233     VOLUME   399656.444 3748716.847 17.53
   LOCATION L0000234     VOLUME   399656.444 3748708.347 17.52
   LOCATION L0000235     VOLUME   399656.444 3748699.847 17.52
   LOCATION L0000236     VOLUME   399656.444 3748691.347 17.51
   LOCATION L0000237     VOLUME   399656.444 3748682.847 17.52
   LOCATION L0000238     VOLUME   399656.444 3748674.347 17.54
   LOCATION L0000239     VOLUME   399656.444 3748665.847 17.56
   LOCATION L0000240     VOLUME   399656.444 3748657.347 17.58
   LOCATION L0000241     VOLUME   399656.444 3748648.847 17.51
   LOCATION L0000242     VOLUME   399656.444 3748640.347 17.43
   LOCATION L0000243     VOLUME   399656.444 3748631.847 17.36
   LOCATION L0000244     VOLUME   399656.444 3748623.347 17.30
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Pioneer Blvd Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 3.83E-06
** Vertical Dimension = 6.22
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** SZINIT = 2.89
** Nodes = 2
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** 399905.511, 3748962.211, 20.05, 3.11, 3.95
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   LOCATION L0000246     VOLUME   399906.658 3748634.132 18.03
   LOCATION L0000247     VOLUME   399906.628 3748642.632 18.04
   LOCATION L0000248     VOLUME   399906.598 3748651.132 18.05
   LOCATION L0000249     VOLUME   399906.569 3748659.632 18.09
   LOCATION L0000250     VOLUME   399906.539 3748668.131 18.15
   LOCATION L0000251     VOLUME   399906.509 3748676.631 18.21
   LOCATION L0000252     VOLUME   399906.480 3748685.131 18.26
   LOCATION L0000253     VOLUME   399906.450 3748693.631 18.27
   LOCATION L0000254     VOLUME   399906.420 3748702.131 18.28
   LOCATION L0000255     VOLUME   399906.390 3748710.631 18.29
   LOCATION L0000256     VOLUME   399906.361 3748719.131 18.32
   LOCATION L0000257     VOLUME   399906.331 3748727.631 18.37
   LOCATION L0000258     VOLUME   399906.301 3748736.131 18.42
   LOCATION L0000259     VOLUME   399906.272 3748744.631 18.47
   LOCATION L0000260     VOLUME   399906.242 3748753.131 18.56
   LOCATION L0000261     VOLUME   399906.212 3748761.631 18.65
   LOCATION L0000262     VOLUME   399906.182 3748770.131 18.74
   LOCATION L0000263     VOLUME   399906.153 3748778.631 18.82
   LOCATION L0000264     VOLUME   399906.123 3748787.131 18.83
   LOCATION L0000265     VOLUME   399906.093 3748795.631 18.86
   LOCATION L0000266     VOLUME   399906.063 3748804.131 18.88
   LOCATION L0000267     VOLUME   399906.034 3748812.631 18.90
   LOCATION L0000268     VOLUME   399906.004 3748821.131 18.92
   LOCATION L0000269     VOLUME   399905.974 3748829.630 18.95
   LOCATION L0000270     VOLUME   399905.945 3748838.130 18.97
   LOCATION L0000271     VOLUME   399905.915 3748846.630 19.02
   LOCATION L0000272     VOLUME   399905.885 3748855.130 19.07
   LOCATION L0000273     VOLUME   399905.855 3748863.630 19.11
   LOCATION L0000274     VOLUME   399905.826 3748872.130 19.15
   LOCATION L0000275     VOLUME   399905.796 3748880.630 19.16
   LOCATION L0000276     VOLUME   399905.766 3748889.130 19.18
   LOCATION L0000277     VOLUME   399905.737 3748897.630 19.19
   LOCATION L0000278     VOLUME   399905.707 3748906.130 19.21
   LOCATION L0000279     VOLUME   399905.677 3748914.630 19.23
   LOCATION L0000280     VOLUME   399905.647 3748923.130 19.24
   LOCATION L0000281     VOLUME   399905.618 3748931.630 19.28
   LOCATION L0000282     VOLUME   399905.588 3748940.130 19.70
   LOCATION L0000283     VOLUME   399905.558 3748948.630 20.10
   LOCATION L0000284     VOLUME   399905.529 3748957.130 20.48
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000507     0.0000831663      3.11      3.95      2.89
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   SRCPARAM L0000617     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000618     0.0000831663      3.11      3.95      2.89
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   SRCPARAM L0000397     0.00000008927      3.11      3.95      2.89
   SRCPARAM L0000398     0.00000008927      3.11      3.95      2.89
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   SRCPARAM L0000401     0.00000008927      3.11      3.95      2.89
   SRCPARAM L0000402     0.00000008927      3.11      3.95      2.89
   SRCPARAM L0000403     0.00000008927      3.11      3.95      2.89
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   SRCPARAM L0000430     0.00000008927      3.11      3.95      2.89
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   SRCPARAM L0000226     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000227     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000228     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000229     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000230     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000231     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000232     0.000000095      3.11      3.95      2.89
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   SRCPARAM L0000242     0.000000095      3.11      3.95      2.89
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   SRCPARAM L0000243     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000244     0.000000095      3.11      3.95      2.89
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   SRCPARAM L0000283     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000284     0.00000009575      3.11      3.95      2.89
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
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** WeekDays:
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000507     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000508     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000509     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000510     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000511     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000512     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000513     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000513     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000514     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000514     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000515     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000516     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000517     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000517     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000518     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000518     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000519     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000519     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000520     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000520     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000521     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000521     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000522     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000522     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000523     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000524     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000525     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000526     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000526     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000527     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000528     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000529     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000529     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000530     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000530     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000531     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000531     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000532     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000532     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000533     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000533     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000534     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000534     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000535     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000536     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000537     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000539     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000540     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000544     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000544     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000545     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000546     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000547     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000548     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000549     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000550     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000550     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000550     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000550     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000551     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000552     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000553     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000554     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000555     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000557     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000558     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000559     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000561     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000562     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000563     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000564     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000565     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000566     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000567     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000568     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000569     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000570     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000489     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000489     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000489     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000490     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000490     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000490     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000490     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000491     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000491     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000491     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000491     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000492     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000492     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000492     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000492     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000493     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000493     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000493     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000493     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000494     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000494     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000494     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000494     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000495     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000496     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000496     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000496     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000496     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000497     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000497     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000497     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000498     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000498     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000498     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000498     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000499     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000499     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000499     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000499     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000500     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000500     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000500     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000500     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000502     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000503     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000503     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000503     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000504     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000504     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000504     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000504     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000505     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000223     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000224     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000225     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000226     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000227     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000228     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000229     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000230     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000231     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000233     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000234     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000237     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000237     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000237     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000237     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000238     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000238     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000238     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000239     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000240     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000240     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000241     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000242     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000242     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000243     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000243     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000244     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000244     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000242     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000242     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000243     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000244     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000245     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000246     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000257     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000258     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000259     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000265     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000266     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000268     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000269     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000269     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000270     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000271     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000271     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000279     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000279     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000282     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000284     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT L0000245     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000245     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000246     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000274     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000274     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000274     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000275     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000275     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000276     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000276     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000277     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000277     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000277     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000278     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000278     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000279     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000279     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000279     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000280     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000281     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000281     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000282     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000282     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000283     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000283     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000283     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000283     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000284     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000284     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000284     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000284     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
************************************
**
**
RE STARTING
   INCLUDED "Artesia Blvd SP_Const.rou"
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RE FINISHED
**
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** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Artesia Blvd SP_Const.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "Artesia Blvd SP_Const.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "Artesia Blvd SP_Const.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd SP_Const.sum"
OU FINISHED
**
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 7/15/2022
** File: C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd SP_Const.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Onsite Construction
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.009314631
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 11
** 399673.872, 3748634.849, 17.77, 3.11, 3.95
** 399738.701, 3748634.849, 17.57, 3.11, 3.95
** 399731.273, 3748807.725, 17.89, 3.11, 3.95
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** 399675.898, 3748807.050, 18.11, 3.11, 3.95
** 399677.249, 3748655.108, 17.67, 3.11, 3.95
** 399723.844, 3748653.082, 17.79, 3.11, 3.95
** 399722.494, 3748796.920, 18.04, 3.11, 3.95
** 399687.378, 3748800.297, 18.12, 3.11, 3.95
** 399690.080, 3748665.912, 17.88, 3.11, 3.95
** 399711.689, 3748666.588, 17.81, 3.11, 3.95
** 399704.261, 3748790.167, 18.05, 3.11, 3.95
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   LOCATION L0000003     VOLUME   399695.122 3748634.849 17.82
   LOCATION L0000004     VOLUME   399703.622 3748634.849 17.83
   LOCATION L0000005     VOLUME   399712.122 3748634.849 17.83
   LOCATION L0000006     VOLUME   399720.622 3748634.849 17.79
   LOCATION L0000007     VOLUME   399729.122 3748634.849 17.71
   LOCATION L0000008     VOLUME   399737.622 3748634.849 17.64
   LOCATION L0000009     VOLUME   399738.382 3748642.263 17.67
   LOCATION L0000010     VOLUME   399738.017 3748650.756 17.72
   LOCATION L0000011     VOLUME   399737.653 3748659.248 17.75
   LOCATION L0000012     VOLUME   399737.288 3748667.740 17.76
   LOCATION L0000013     VOLUME   399736.923 3748676.232 17.77
   LOCATION L0000014     VOLUME   399736.558 3748684.724 17.78
   LOCATION L0000015     VOLUME   399736.193 3748693.216 17.78
   LOCATION L0000016     VOLUME   399735.828 3748701.709 17.78
   LOCATION L0000017     VOLUME   399735.463 3748710.201 17.79
   LOCATION L0000018     VOLUME   399735.098 3748718.693 17.80
   LOCATION L0000019     VOLUME   399734.733 3748727.185 17.82
   LOCATION L0000020     VOLUME   399734.369 3748735.677 17.84
   LOCATION L0000021     VOLUME   399734.004 3748744.169 17.86
   LOCATION L0000022     VOLUME   399733.639 3748752.662 17.88
   LOCATION L0000023     VOLUME   399733.274 3748761.154 17.90
   LOCATION L0000024     VOLUME   399732.909 3748769.646 17.92
   LOCATION L0000025     VOLUME   399732.544 3748778.138 17.95
   LOCATION L0000026     VOLUME   399732.179 3748786.630 17.95
   LOCATION L0000027     VOLUME   399731.814 3748795.122 17.95
   LOCATION L0000028     VOLUME   399731.449 3748803.615 17.96
   LOCATION L0000029     VOLUME   399726.887 3748807.671 18.00
   LOCATION L0000030     VOLUME   399718.388 3748807.568 18.07
   LOCATION L0000031     VOLUME   399709.888 3748807.464 18.09
   LOCATION L0000032     VOLUME   399701.389 3748807.360 18.11
   LOCATION L0000033     VOLUME   399692.890 3748807.257 18.12
   LOCATION L0000034     VOLUME   399684.390 3748807.153 18.00
   LOCATION L0000035     VOLUME   399675.898 3748807.042 17.86
   LOCATION L0000036     VOLUME   399675.974 3748798.542 17.85
   LOCATION L0000037     VOLUME   399676.050 3748790.043 17.84
   LOCATION L0000038     VOLUME   399676.125 3748781.543 17.83
   LOCATION L0000039     VOLUME   399676.201 3748773.043 17.82
   LOCATION L0000040     VOLUME   399676.276 3748764.544 17.82
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LOCATION L0000043 VOLUME 399676.503 3748739.045 17.73
LOCATION L0000044 VOLUME 399676.578 3748730.545 17.66
LOCATION L0000045 VOLUME 399676.654 3748722.045 17.60
LOCATION L0000046 VOLUME 399676.729 3748713.546 17.56
LOCATION L0000047 VOLUME 399676.805 3748705.046 17.56
LOCATION L0000048 VOLUME 399676.881 3748696.546 17.55
LOCATION L0000049 VOLUME 399676.956 3748688.047 17.55
LOCATION L0000050 VOLUME 399677.032 3748679.547 17.57
LOCATION L0000051 VOLUME 399677.107 3748671.047 17.61
LOCATION L0000052 VOLUME 399677.183 3748662.548 17.64
LOCATION L0000053 VOLUME 399678.308 3748655.062 17.68
LOCATION L0000054 VOLUME 399686.800 3748654.692 17.88
LOCATION L0000055 VOLUME 399695.292 3748654.323 17.93
LOCATION L0000056 VOLUME 399703.784 3748653.954 17.88
LOCATION L0000057 VOLUME 399712.275 3748653.585 17.82
LOCATION L0000058 VOLUME 399720.767 3748653.216 17.78
LOCATION L0000059 VOLUME 399723.794 3748658.502 17.78
LOCATION L0000060 VOLUME 399723.714 3748667.001 17.77
LOCATION L0000061 VOLUME 399723.634 3748675.501 17.77
LOCATION L0000062 VOLUME 399723.554 3748684.001 17.77
LOCATION L0000063 VOLUME 399723.474 3748692.500 17.77
LOCATION L0000064 VOLUME 399723.395 3748701.000 17.78
LOCATION L0000065 VOLUME 399723.315 3748709.499 17.79
LOCATION L0000066 VOLUME 399723.235 3748717.999 17.80
LOCATION L0000067 VOLUME 399723.155 3748726.499 17.84
LOCATION L0000068 VOLUME 399723.075 3748734.998 17.87
LOCATION L0000069 VOLUME 399722.995 3748743.498 17.90
LOCATION L0000070 VOLUME 399722.916 3748751.998 17.93
LOCATION L0000071 VOLUME 399722.836 3748760.497 17.96
LOCATION L0000072 VOLUME 399722.756 3748768.997 17.99
LOCATION L0000073 VOLUME 399722.676 3748777.496 18.03
LOCATION L0000074 VOLUME 399722.596 3748785.996 18.03
LOCATION L0000075 VOLUME 399722.517 3748794.496 18.03
LOCATION L0000076 VOLUME 399716.446 3748797.502 18.08
LOCATION L0000077 VOLUME 399707.985 3748798.315 18.09
LOCATION L0000078 VOLUME 399699.524 3748799.129 18.11
LOCATION L0000079 VOLUME 399691.063 3748799.942 18.11
LOCATION L0000080 VOLUME 399687.475 3748795.499 18.05
LOCATION L0000081 VOLUME 399687.646 3748787.001 18.05
LOCATION L0000082 VOLUME 399687.816 3748778.503 18.05
LOCATION L0000083 VOLUME 399687.987 3748770.005 18.06
LOCATION L0000084 VOLUME 399688.158 3748761.506 18.07
LOCATION L0000085 VOLUME 399688.329 3748753.008 18.09
LOCATION L0000086 VOLUME 399688.500 3748744.510 18.05
LOCATION L0000087 VOLUME 399688.671 3748736.011 17.95
LOCATION L0000088 VOLUME 399688.841 3748727.513 17.85
LOCATION L0000089 VOLUME 399689.012 3748719.015 17.74

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   LOCATION L0000091     VOLUME   399689.354 3748702.018 17.74
   LOCATION L0000092     VOLUME   399689.525 3748693.520 17.74
   LOCATION L0000093     VOLUME   399689.695 3748685.022 17.76
   LOCATION L0000094     VOLUME   399689.866 3748676.523 17.82
   LOCATION L0000095     VOLUME   399690.037 3748668.025 17.88
   LOCATION L0000096     VOLUME   399696.463 3748666.112 17.88
   LOCATION L0000097     VOLUME   399704.959 3748666.377 17.84
   LOCATION L0000098     VOLUME   399711.583 3748668.351 17.80
   LOCATION L0000099     VOLUME   399711.073 3748676.836 17.78
   LOCATION L0000100     VOLUME   399710.563 3748685.321 17.76
   LOCATION L0000101     VOLUME   399710.053 3748693.805 17.77
   LOCATION L0000102     VOLUME   399709.543 3748702.290 17.78
   LOCATION L0000103     VOLUME   399709.033 3748710.775 17.78
   LOCATION L0000104     VOLUME   399708.523 3748719.259 17.80
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   LOCATION L0000107     VOLUME   399706.993 3748744.714 18.01
   LOCATION L0000108     VOLUME   399706.483 3748753.198 18.05
   LOCATION L0000109     VOLUME   399705.973 3748761.683 18.07
   LOCATION L0000110     VOLUME   399705.463 3748770.168 18.08
   LOCATION L0000111     VOLUME   399704.953 3748778.652 18.10
   LOCATION L0000112     VOLUME   399704.443 3748787.137 18.10
** End of LINE VOLUME Source ID = SLINE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Artesia Blvd
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.0000105
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 400190.329, 3748608.273, 18.00, 3.11, 3.95
** 399898.360, 3748607.081, 17.97, 3.11, 3.95
** 399253.646, 3748604.698, 18.64, 3.11, 3.95
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   LOCATION L0000115     VOLUME   400169.079 3748608.186 18.00
   LOCATION L0000116     VOLUME   400160.579 3748608.152 17.88
   LOCATION L0000117     VOLUME   400152.080 3748608.117 17.76
   LOCATION L0000118     VOLUME   400143.580 3748608.082 17.84
   LOCATION L0000119     VOLUME   400135.080 3748608.047 17.91
   LOCATION L0000120     VOLUME   400126.580 3748608.013 17.99
   LOCATION L0000121     VOLUME   400118.080 3748607.978 17.88
   LOCATION L0000122     VOLUME   400109.580 3748607.943 17.78
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LOCATION L0000124 VOLUME 400092.580 3748607.874 17.77
LOCATION L0000125 VOLUME 400084.080 3748607.839 17.86
LOCATION L0000126 VOLUME 400075.580 3748607.805 17.95
LOCATION L0000127 VOLUME 400067.080 3748607.770 17.93
LOCATION L0000128 VOLUME 400058.580 3748607.735 17.91
LOCATION L0000129 VOLUME 400050.080 3748607.701 17.88
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LOCATION L0000131 VOLUME 400033.080 3748607.631 17.86
LOCATION L0000132 VOLUME 400024.581 3748607.596 17.85
LOCATION L0000133 VOLUME 400016.081 3748607.562 17.86
LOCATION L0000134 VOLUME 400007.581 3748607.527 17.88
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LOCATION L0000136 VOLUME 399990.581 3748607.458 17.94
LOCATION L0000137 VOLUME 399982.081 3748607.423 17.99
LOCATION L0000138 VOLUME 399973.581 3748607.388 18.04
LOCATION L0000139 VOLUME 399965.081 3748607.354 18.03
LOCATION L0000140 VOLUME 399956.581 3748607.319 18.02
LOCATION L0000141 VOLUME 399948.081 3748607.284 18.01
LOCATION L0000142 VOLUME 399939.581 3748607.250 18.01
LOCATION L0000143 VOLUME 399931.081 3748607.215 18.01
LOCATION L0000144 VOLUME 399922.581 3748607.180 18.01
LOCATION L0000145 VOLUME 399914.081 3748607.145 17.99
LOCATION L0000146 VOLUME 399905.582 3748607.111 17.96
LOCATION L0000147 VOLUME 399897.082 3748607.077 17.94
LOCATION L0000148 VOLUME 399888.582 3748607.045 17.95
LOCATION L0000149 VOLUME 399880.082 3748607.014 17.96
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LOCATION L0000166 VOLUME 399735.583 3748606.479 17.47
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LOCATION L0000169 VOLUME 399710.083 3748606.385 17.52
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LOCATION L0000175 VOLUME 399659.083 3748606.197 17.30
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LOCATION L0000177 VOLUME 399642.083 3748606.134 17.42
LOCATION L0000178 VOLUME 399633.583 3748606.102 17.46
LOCATION L0000179 VOLUME 399625.083 3748606.071 17.50
LOCATION L0000180 VOLUME 399616.584 3748606.040 17.53
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LOCATION L0000183 VOLUME 399591.084 3748605.945 17.64
LOCATION L0000184 VOLUME 399582.584 3748605.914 17.70
LOCATION L0000185 VOLUME 399574.084 3748605.882 17.78
LOCATION L0000186 VOLUME 399565.584 3748605.851 17.85
LOCATION L0000187 VOLUME 399557.084 3748605.820 17.89
LOCATION L0000188 VOLUME 399548.584 3748605.788 17.89
LOCATION L0000189 VOLUME 399540.084 3748605.757 17.90
LOCATION L0000190 VOLUME 399531.584 3748605.725 17.92
LOCATION L0000191 VOLUME 399523.084 3748605.694 17.95
LOCATION L0000192 VOLUME 399514.584 3748605.662 17.98
LOCATION L0000193 VOLUME 399506.084 3748605.631 18.00
LOCATION L0000194 VOLUME 399497.584 3748605.600 17.99
LOCATION L0000195 VOLUME 399489.084 3748605.568 17.99
LOCATION L0000196 VOLUME 399480.584 3748605.537 18.01
LOCATION L0000197 VOLUME 399472.085 3748605.505 18.05
LOCATION L0000198 VOLUME 399463.585 3748605.474 18.09
LOCATION L0000199 VOLUME 399455.085 3748605.443 18.13
LOCATION L0000200 VOLUME 399446.585 3748605.411 18.15
LOCATION L0000201 VOLUME 399438.085 3748605.380 18.17
LOCATION L0000202 VOLUME 399429.585 3748605.348 18.19
LOCATION L0000203 VOLUME 399421.085 3748605.317 18.22
LOCATION L0000204 VOLUME 399412.585 3748605.285 18.24
LOCATION L0000205 VOLUME 399404.085 3748605.254 18.27
LOCATION L0000206 VOLUME 399395.585 3748605.223 18.31
LOCATION L0000207 VOLUME 399387.085 3748605.191 18.35
LOCATION L0000208 VOLUME 399378.585 3748605.160 18.39
LOCATION L0000209 VOLUME 399370.085 3748605.128 18.41
LOCATION L0000210 VOLUME 399361.585 3748605.097 18.43
LOCATION L0000211 VOLUME 399353.085 3748605.065 18.45
LOCATION L0000212 VOLUME 399344.585 3748605.034 18.48
LOCATION L0000213 VOLUME 399336.085 3748605.003 18.51
LOCATION L0000214 VOLUME 399327.586 3748604.971 18.53
LOCATION L0000215 VOLUME 399319.086 3748604.940 18.54
LOCATION L0000216 VOLUME 399310.586 3748604.908 18.56
LOCATION L0000217 VOLUME 399302.086 3748604.877 18.57
LOCATION L0000218 VOLUME 399293.586 3748604.845 18.58
LOCATION L0000219 VOLUME 399285.086 3748604.814 18.58
LOCATION L0000220 VOLUME 399276.586 3748604.783 18.59

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   LOCATION L0000221     VOLUME   399268.086 3748604.751 18.61
   LOCATION L0000222     VOLUME   399259.586 3748604.720 18.64
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Fallon Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 2.09E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 399656.444, 3748806.097, 17.78, 3.11, 3.95
** 399656.444, 3748620.190, 17.30, 3.11, 3.95
** ----------------------------------------------------------------------
   LOCATION L0000223     VOLUME   399656.444 3748801.847 17.75
   LOCATION L0000224     VOLUME   399656.444 3748793.347 17.73
   LOCATION L0000225     VOLUME   399656.444 3748784.847 17.70
   LOCATION L0000226     VOLUME   399656.444 3748776.347 17.68
   LOCATION L0000227     VOLUME   399656.444 3748767.847 17.67
   LOCATION L0000228     VOLUME   399656.444 3748759.347 17.65
   LOCATION L0000229     VOLUME   399656.444 3748750.847 17.64
   LOCATION L0000230     VOLUME   399656.444 3748742.347 17.61
   LOCATION L0000231     VOLUME   399656.444 3748733.847 17.58
   LOCATION L0000232     VOLUME   399656.444 3748725.347 17.56
   LOCATION L0000233     VOLUME   399656.444 3748716.847 17.53
   LOCATION L0000234     VOLUME   399656.444 3748708.347 17.52
   LOCATION L0000235     VOLUME   399656.444 3748699.847 17.52
   LOCATION L0000236     VOLUME   399656.444 3748691.347 17.51
   LOCATION L0000237     VOLUME   399656.444 3748682.847 17.52
   LOCATION L0000238     VOLUME   399656.444 3748674.347 17.54
   LOCATION L0000239     VOLUME   399656.444 3748665.847 17.56
   LOCATION L0000240     VOLUME   399656.444 3748657.347 17.58
   LOCATION L0000241     VOLUME   399656.444 3748648.847 17.51
   LOCATION L0000242     VOLUME   399656.444 3748640.347 17.43
   LOCATION L0000243     VOLUME   399656.444 3748631.847 17.36
   LOCATION L0000244     VOLUME   399656.444 3748623.347 17.30
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Pioneer Blvd Hauling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 3.83E-06
** Vertical Dimension = 6.22
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** SZINIT = 2.89
** Nodes = 2
** 399906.702, 3748621.382, 18.01, 3.11, 3.95
** 399905.511, 3748962.211, 20.05, 3.11, 3.95
** ----------------------------------------------------------------------
   LOCATION L0000245     VOLUME   399906.688 3748625.632 18.02
   LOCATION L0000246     VOLUME   399906.658 3748634.132 18.03
   LOCATION L0000247     VOLUME   399906.628 3748642.632 18.04
   LOCATION L0000248     VOLUME   399906.598 3748651.132 18.05
   LOCATION L0000249     VOLUME   399906.569 3748659.632 18.09
   LOCATION L0000250     VOLUME   399906.539 3748668.131 18.15
   LOCATION L0000251     VOLUME   399906.509 3748676.631 18.21
   LOCATION L0000252     VOLUME   399906.480 3748685.131 18.26
   LOCATION L0000253     VOLUME   399906.450 3748693.631 18.27
   LOCATION L0000254     VOLUME   399906.420 3748702.131 18.28
   LOCATION L0000255     VOLUME   399906.390 3748710.631 18.29
   LOCATION L0000256     VOLUME   399906.361 3748719.131 18.32
   LOCATION L0000257     VOLUME   399906.331 3748727.631 18.37
   LOCATION L0000258     VOLUME   399906.301 3748736.131 18.42
   LOCATION L0000259     VOLUME   399906.272 3748744.631 18.47
   LOCATION L0000260     VOLUME   399906.242 3748753.131 18.56
   LOCATION L0000261     VOLUME   399906.212 3748761.631 18.65
   LOCATION L0000262     VOLUME   399906.182 3748770.131 18.74
   LOCATION L0000263     VOLUME   399906.153 3748778.631 18.82
   LOCATION L0000264     VOLUME   399906.123 3748787.131 18.83
   LOCATION L0000265     VOLUME   399906.093 3748795.631 18.86
   LOCATION L0000266     VOLUME   399906.063 3748804.131 18.88
   LOCATION L0000267     VOLUME   399906.034 3748812.631 18.90
   LOCATION L0000268     VOLUME   399906.004 3748821.131 18.92
   LOCATION L0000269     VOLUME   399905.974 3748829.630 18.95
   LOCATION L0000270     VOLUME   399905.945 3748838.130 18.97
   LOCATION L0000271     VOLUME   399905.915 3748846.630 19.02
   LOCATION L0000272     VOLUME   399905.885 3748855.130 19.07
   LOCATION L0000273     VOLUME   399905.855 3748863.630 19.11
   LOCATION L0000274     VOLUME   399905.826 3748872.130 19.15
   LOCATION L0000275     VOLUME   399905.796 3748880.630 19.16
   LOCATION L0000276     VOLUME   399905.766 3748889.130 19.18
   LOCATION L0000277     VOLUME   399905.737 3748897.630 19.19
   LOCATION L0000278     VOLUME   399905.707 3748906.130 19.21
   LOCATION L0000279     VOLUME   399905.677 3748914.630 19.23
   LOCATION L0000280     VOLUME   399905.647 3748923.130 19.24
   LOCATION L0000281     VOLUME   399905.618 3748931.630 19.28
   LOCATION L0000282     VOLUME   399905.588 3748940.130 19.70
   LOCATION L0000283     VOLUME   399905.558 3748948.630 20.10
   LOCATION L0000284     VOLUME   399905.529 3748957.130 20.48
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
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SRCPARAM L0000004     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000005     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000006     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000007     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000008     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000009     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000010     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000011     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000012     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000013     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000014     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000015     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000016     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000017     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000018     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000019     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000020     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000021     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000022     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000023     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000024     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000025     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000026     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000027     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000028     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000029     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000030     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000031     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000032     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000033     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000034     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000035     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000036     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000037     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000038     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000039     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000040     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000041     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000042     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000043     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000044     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000045     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000046     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000047     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000048     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000049     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000050     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000051     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000055     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000056     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000059     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000060     0.0000831663      3.11      3.95      2.89
SRCPARAM L0000061     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000076     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000078     0.0000831663      3.11      3.95      2.89
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SRCPARAM L0000080     0.0000831663      3.11      3.95      2.89
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   SRCPARAM L0000110     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000111     0.0000831663      3.11      3.95      2.89
   SRCPARAM L0000112     0.0000831663      3.11      3.95      2.89
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** LINE VOLUME Source ID = SLINE2
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   SRCPARAM L0000146     0.00000009545      3.11      3.95      2.89
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SRCPARAM L0000195     0.00000009545      3.11      3.95      2.89
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   SRCPARAM L0000199     0.00000009545      3.11      3.95      2.89
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   SRCPARAM L0000201     0.00000009545      3.11      3.95      2.89
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   SRCPARAM L0000210     0.00000009545      3.11      3.95      2.89
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   SRCPARAM L0000213     0.00000009545      3.11      3.95      2.89
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   SRCPARAM L0000216     0.00000009545      3.11      3.95      2.89
   SRCPARAM L0000217     0.00000009545      3.11      3.95      2.89
   SRCPARAM L0000218     0.00000009545      3.11      3.95      2.89
   SRCPARAM L0000219     0.00000009545      3.11      3.95      2.89
   SRCPARAM L0000220     0.00000009545      3.11      3.95      2.89
   SRCPARAM L0000221     0.00000009545      3.11      3.95      2.89
   SRCPARAM L0000222     0.00000009545      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000223     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000224     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000225     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000226     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000227     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000228     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000229     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000230     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000231     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000232     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000233     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000234     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000235     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000236     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000237     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000238     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000239     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000240     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000241     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000242     0.000000095      3.11      3.95      2.89
```

```
   SRCPARAM L0000243     0.000000095      3.11      3.95      2.89
   SRCPARAM L0000244     0.000000095      3.11      3.95      2.89
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000245     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000246     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000247     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000248     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000249     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000250     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000251     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000252     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000253     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000254     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000255     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000256     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000257     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000258     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000259     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000260     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000261     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000262     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000263     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000264     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000265     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000266     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000267     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000268     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000269     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000270     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000271     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000272     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000273     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000274     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000275     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000276     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000277     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000278     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000279     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000280     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000281     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000282     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000283     0.00000009575      3.11      3.95      2.89
   SRCPARAM L0000284     0.00000009575      3.11      3.95      2.89
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
```

```
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Artesia Blvd SP_Const.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Artesia Blvd SP_Const.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "Artesia Blvd SP_Const.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "Artesia Blvd SP_Const.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd SP_Const.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
```

```
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     707       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     707       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:49:26

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   284 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9861224.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
```

```
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR
     and Calculates PERIOD Averages

 **This Run Includes:    284 Source(s);       1 Source Group(s); and     478
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    284 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    29.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE EMISSION RATE SCALAR VARY BY
L0000001	0	0.83166E-04	399678.1	3748634.8	17.6	3.11	3.95	2.89	YES
L0000002	0	0.83166E-04	399686.6	3748634.8	17.7	3.11	3.95	2.89	YES
L0000003	0	0.83166E-04	399695.1	3748634.8	17.8	3.11	3.95	2.89	YES
L0000004	0	0.83166E-04	399703.6	3748634.8	17.8	3.11	3.95	2.89	YES
L0000005	0	0.83166E-04	399712.1	3748634.8	17.8	3.11	3.95	2.89	YES
L0000006	0	0.83166E-04	399720.6	3748634.8	17.8	3.11	3.95	2.89	YES
L0000007	0	0.83166E-04	399729.1	3748634.8	17.7	3.11	3.95	2.89	YES
L0000008	0	0.83166E-04	399737.6	3748634.8	17.6	3.11	3.95	2.89	YES
L0000009	0	0.83166E-04	399738.4	3748642.3	17.7	3.11	3.95	2.89	YES
L0000010	0	0.83166E-04	399738.0	3748650.8	17.7	3.11	3.95	2.89	YES
L0000011	0	0.83166E-04	399737.7	3748659.2	17.8	3.11	3.95		

2.89	YES						
L0000012	0	0.83166E-04	399737.3	3748667.7	17.8	3.11	3.95
2.89	YES						
L0000013	0	0.83166E-04	399736.9	3748676.2	17.8	3.11	3.95
2.89	YES						
L0000014	0	0.83166E-04	399736.6	3748684.7	17.8	3.11	3.95
2.89	YES						
L0000015	0	0.83166E-04	399736.2	3748693.2	17.8	3.11	3.95
2.89	YES						
L0000016	0	0.83166E-04	399735.8	3748701.7	17.8	3.11	3.95
2.89	YES						
L0000017	0	0.83166E-04	399735.5	3748710.2	17.8	3.11	3.95
2.89	YES						
L0000018	0	0.83166E-04	399735.1	3748718.7	17.8	3.11	3.95
2.89	YES						
L0000019	0	0.83166E-04	399734.7	3748727.2	17.8	3.11	3.95
2.89	YES						
L0000020	0	0.83166E-04	399734.4	3748735.7	17.8	3.11	3.95
2.89	YES						
L0000021	0	0.83166E-04	399734.0	3748744.2	17.9	3.11	3.95
2.89	YES						
L0000022	0	0.83166E-04	399733.6	3748752.7	17.9	3.11	3.95
2.89	YES						
L0000023	0	0.83166E-04	399733.3	3748761.2	17.9	3.11	3.95
2.89	YES						
L0000024	0	0.83166E-04	399732.9	3748769.6	17.9	3.11	3.95
2.89	YES						
L0000025	0	0.83166E-04	399732.5	3748778.1	17.9	3.11	3.95
2.89	YES						
L0000026	0	0.83166E-04	399732.2	3748786.6	17.9	3.11	3.95
2.89	YES						
L0000027	0	0.83166E-04	399731.8	3748795.1	17.9	3.11	3.95
2.89	YES						
L0000028	0	0.83166E-04	399731.4	3748803.6	18.0	3.11	3.95
2.89	YES						
L0000029	0	0.83166E-04	399726.9	3748807.7	18.0	3.11	3.95
2.89	YES						
L0000030	0	0.83166E-04	399718.4	3748807.6	18.1	3.11	3.95
2.89	YES						
L0000031	0	0.83166E-04	399709.9	3748807.5	18.1	3.11	3.95
2.89	YES						
L0000032	0	0.83166E-04	399701.4	3748807.4	18.1	3.11	3.95
2.89	YES						
L0000033	0	0.83166E-04	399692.9	3748807.3	18.1	3.11	3.95
2.89	YES						
L0000034	0	0.83166E-04	399684.4	3748807.2	18.0	3.11	3.95
2.89	YES						
L0000035	0	0.83166E-04	399675.9	3748807.0	17.9	3.11	3.95
2.89	YES						

```
 L0000036         0   0.83166E-04  399676.0 3748798.5    17.9     3.11     3.95
2.89     YES
 L0000037         0   0.83166E-04  399676.0 3748790.0    17.8     3.11     3.95
2.89     YES
 L0000038         0   0.83166E-04  399676.1 3748781.5    17.8     3.11     3.95
2.89     YES
 L0000039         0   0.83166E-04  399676.2 3748773.0    17.8     3.11     3.95
2.89     YES
 L0000040         0   0.83166E-04  399676.3 3748764.5    17.8     3.11     3.95
2.89     YES
```


*** VOLUME SOURCE DATA ***

```
               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000041         0   0.83166E-04  399676.4 3748756.0    17.8     3.11     3.95
2.89     YES
 L0000042         0   0.83166E-04  399676.4 3748747.5    17.8     3.11     3.95
2.89     YES
 L0000043         0   0.83166E-04  399676.5 3748739.0    17.7     3.11     3.95
2.89     YES
 L0000044         0   0.83166E-04  399676.6 3748730.5    17.7     3.11     3.95
2.89     YES
 L0000045         0   0.83166E-04  399676.7 3748722.0    17.6     3.11     3.95
2.89     YES
 L0000046         0   0.83166E-04  399676.7 3748713.5    17.6     3.11     3.95
2.89     YES
 L0000047         0   0.83166E-04  399676.8 3748705.0    17.6     3.11     3.95
2.89     YES
 L0000048         0   0.83166E-04  399676.9 3748696.5    17.6     3.11     3.95
2.89     YES
 L0000049         0   0.83166E-04  399677.0 3748688.0    17.6     3.11     3.95
2.89     YES
 L0000050         0   0.83166E-04  399677.0 3748679.5    17.6     3.11     3.95
```

2.89 YES
L0000051 0 0.83166E-04 399677.1 3748671.0 17.6 3.11 3.95
2.89 YES
L0000052 0 0.83166E-04 399677.2 3748662.5 17.6 3.11 3.95
2.89 YES
L0000053 0 0.83166E-04 399678.3 3748655.1 17.7 3.11 3.95
2.89 YES
L0000054 0 0.83166E-04 399686.8 3748654.7 17.9 3.11 3.95
2.89 YES
L0000055 0 0.83166E-04 399695.3 3748654.3 17.9 3.11 3.95
2.89 YES
L0000056 0 0.83166E-04 399703.8 3748654.0 17.9 3.11 3.95
2.89 YES
L0000057 0 0.83166E-04 399712.3 3748653.6 17.8 3.11 3.95
2.89 YES
L0000058 0 0.83166E-04 399720.8 3748653.2 17.8 3.11 3.95
2.89 YES
L0000059 0 0.83166E-04 399723.8 3748658.5 17.8 3.11 3.95
2.89 YES
L0000060 0 0.83166E-04 399723.7 3748667.0 17.8 3.11 3.95
2.89 YES
L0000061 0 0.83166E-04 399723.6 3748675.5 17.8 3.11 3.95
2.89 YES
L0000062 0 0.83166E-04 399723.6 3748684.0 17.8 3.11 3.95
2.89 YES
L0000063 0 0.83166E-04 399723.5 3748692.5 17.8 3.11 3.95
2.89 YES
L0000064 0 0.83166E-04 399723.4 3748701.0 17.8 3.11 3.95
2.89 YES
L0000065 0 0.83166E-04 399723.3 3748709.5 17.8 3.11 3.95
2.89 YES
L0000066 0 0.83166E-04 399723.2 3748718.0 17.8 3.11 3.95
2.89 YES
L0000067 0 0.83166E-04 399723.2 3748726.5 17.8 3.11 3.95
2.89 YES
L0000068 0 0.83166E-04 399723.1 3748735.0 17.9 3.11 3.95
2.89 YES
L0000069 0 0.83166E-04 399723.0 3748743.5 17.9 3.11 3.95
2.89 YES
L0000070 0 0.83166E-04 399722.9 3748752.0 17.9 3.11 3.95
2.89 YES
L0000071 0 0.83166E-04 399722.8 3748760.5 18.0 3.11 3.95
2.89 YES
L0000072 0 0.83166E-04 399722.8 3748769.0 18.0 3.11 3.95
2.89 YES
L0000073 0 0.83166E-04 399722.7 3748777.5 18.0 3.11 3.95
2.89 YES
L0000074 0 0.83166E-04 399722.6 3748786.0 18.0 3.11 3.95
2.89 YES

```
 L0000075         0   0.83166E-04  399722.5 3748794.5    18.0     3.11     3.95
2.89     YES
 L0000076         0   0.83166E-04  399716.4 3748797.5    18.1     3.11     3.95
2.89     YES
 L0000077         0   0.83166E-04  399708.0 3748798.3    18.1     3.11     3.95
2.89     YES
 L0000078         0   0.83166E-04  399699.5 3748799.1    18.1     3.11     3.95
2.89     YES
 L0000079         0   0.83166E-04  399691.1 3748799.9    18.1     3.11     3.95
2.89     YES
 L0000080         0   0.83166E-04  399687.5 3748795.5    18.1     3.11     3.95
2.89     YES
```



```
                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000081         0   0.83166E-04  399687.6 3748787.0    18.1     3.11     3.95
2.89     YES
 L0000082         0   0.83166E-04  399687.8 3748778.5    18.1     3.11     3.95
2.89     YES
 L0000083         0   0.83166E-04  399688.0 3748770.0    18.1     3.11     3.95
2.89     YES
 L0000084         0   0.83166E-04  399688.2 3748761.5    18.1     3.11     3.95
2.89     YES
 L0000085         0   0.83166E-04  399688.3 3748753.0    18.1     3.11     3.95
2.89     YES
 L0000086         0   0.83166E-04  399688.5 3748744.5    18.1     3.11     3.95
2.89     YES
 L0000087         0   0.83166E-04  399688.7 3748736.0    17.9     3.11     3.95
2.89     YES
 L0000088         0   0.83166E-04  399688.8 3748727.5    17.9     3.11     3.95
2.89     YES
 L0000089         0   0.83166E-04  399689.0 3748719.0    17.7     3.11     3.95
```

2.89 YES
L0000090 0 0.83166E-04 399689.2 3748710.5 17.7 3.11 3.95
2.89 YES
L0000091 0 0.83166E-04 399689.4 3748702.0 17.7 3.11 3.95
2.89 YES
L0000092 0 0.83166E-04 399689.5 3748693.5 17.7 3.11 3.95
2.89 YES
L0000093 0 0.83166E-04 399689.7 3748685.0 17.8 3.11 3.95
2.89 YES
L0000094 0 0.83166E-04 399689.9 3748676.5 17.8 3.11 3.95
2.89 YES
L0000095 0 0.83166E-04 399690.0 3748668.0 17.9 3.11 3.95
2.89 YES
L0000096 0 0.83166E-04 399696.5 3748666.1 17.9 3.11 3.95
2.89 YES
L0000097 0 0.83166E-04 399705.0 3748666.4 17.8 3.11 3.95
2.89 YES
L0000098 0 0.83166E-04 399711.6 3748668.4 17.8 3.11 3.95
2.89 YES
L0000099 0 0.83166E-04 399711.1 3748676.8 17.8 3.11 3.95
2.89 YES
L0000100 0 0.83166E-04 399710.6 3748685.3 17.8 3.11 3.95
2.89 YES
L0000101 0 0.83166E-04 399710.1 3748693.8 17.8 3.11 3.95
2.89 YES
L0000102 0 0.83166E-04 399709.5 3748702.3 17.8 3.11 3.95
2.89 YES
L0000103 0 0.83166E-04 399709.0 3748710.8 17.8 3.11 3.95
2.89 YES
L0000104 0 0.83166E-04 399708.5 3748719.3 17.8 3.11 3.95
2.89 YES
L0000105 0 0.83166E-04 399708.0 3748727.7 17.9 3.11 3.95
2.89 YES
L0000106 0 0.83166E-04 399707.5 3748736.2 17.9 3.11 3.95
2.89 YES
L0000107 0 0.83166E-04 399707.0 3748744.7 18.0 3.11 3.95
2.89 YES
L0000108 0 0.83166E-04 399706.5 3748753.2 18.1 3.11 3.95
2.89 YES
L0000109 0 0.83166E-04 399706.0 3748761.7 18.1 3.11 3.95
2.89 YES
L0000110 0 0.83166E-04 399705.5 3748770.2 18.1 3.11 3.95
2.89 YES
L0000111 0 0.83166E-04 399705.0 3748778.7 18.1 3.11 3.95
2.89 YES
L0000112 0 0.83166E-04 399704.4 3748787.1 18.1 3.11 3.95
2.89 YES
L0000113 0 0.95450E-07 400186.1 3748608.3 18.1 3.11 3.95
2.89 YES

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 L0000114         0   0.95450E-07  400177.6 3748608.2    18.1     3.11     3.95
2.89     YES
 L0000115         0   0.95450E-07  400169.1 3748608.2    18.0     3.11     3.95
2.89     YES
 L0000116         0   0.95450E-07  400160.6 3748608.2    17.9     3.11     3.95
2.89     YES
 L0000117         0   0.95450E-07  400152.1 3748608.1    17.8     3.11     3.95
2.89     YES
 L0000118         0   0.95450E-07  400143.6 3748608.1    17.8     3.11     3.95
2.89     YES
 L0000119         0   0.95450E-07  400135.1 3748608.0    17.9     3.11     3.95
2.89     YES
 L0000120         0   0.95450E-07  400126.6 3748608.0    18.0     3.11     3.95
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000121         0   0.95450E-07  400118.1 3748608.0    17.9     3.11     3.95
2.89     YES
 L0000122         0   0.95450E-07  400109.6 3748607.9    17.8     3.11     3.95
2.89     YES
 L0000123         0   0.95450E-07  400101.1 3748607.9    17.7     3.11     3.95
2.89     YES
 L0000124         0   0.95450E-07  400092.6 3748607.9    17.8     3.11     3.95
2.89     YES
 L0000125         0   0.95450E-07  400084.1 3748607.8    17.9     3.11     3.95
2.89     YES
 L0000126         0   0.95450E-07  400075.6 3748607.8    17.9     3.11     3.95
2.89     YES
 L0000127         0   0.95450E-07  400067.1 3748607.8    17.9     3.11     3.95
2.89     YES
 L0000128         0   0.95450E-07  400058.6 3748607.7    17.9     3.11     3.95
```

2.89 YES
L0000129 0 0.95450E-07 400050.1 3748607.7 17.9 3.11 3.95
2.89 YES
L0000130 0 0.95450E-07 400041.6 3748607.7 17.9 3.11 3.95
2.89 YES
L0000131 0 0.95450E-07 400033.1 3748607.6 17.9 3.11 3.95
2.89 YES
L0000132 0 0.95450E-07 400024.6 3748607.6 17.9 3.11 3.95
2.89 YES
L0000133 0 0.95450E-07 400016.1 3748607.6 17.9 3.11 3.95
2.89 YES
L0000134 0 0.95450E-07 400007.6 3748607.5 17.9 3.11 3.95
2.89 YES
L0000135 0 0.95450E-07 399999.1 3748607.5 17.9 3.11 3.95
2.89 YES
L0000136 0 0.95450E-07 399990.6 3748607.5 17.9 3.11 3.95
2.89 YES
L0000137 0 0.95450E-07 399982.1 3748607.4 18.0 3.11 3.95
2.89 YES
L0000138 0 0.95450E-07 399973.6 3748607.4 18.0 3.11 3.95
2.89 YES
L0000139 0 0.95450E-07 399965.1 3748607.4 18.0 3.11 3.95
2.89 YES
L0000140 0 0.95450E-07 399956.6 3748607.3 18.0 3.11 3.95
2.89 YES
L0000141 0 0.95450E-07 399948.1 3748607.3 18.0 3.11 3.95
2.89 YES
L0000142 0 0.95450E-07 399939.6 3748607.2 18.0 3.11 3.95
2.89 YES
L0000143 0 0.95450E-07 399931.1 3748607.2 18.0 3.11 3.95
2.89 YES
L0000144 0 0.95450E-07 399922.6 3748607.2 18.0 3.11 3.95
2.89 YES
L0000145 0 0.95450E-07 399914.1 3748607.1 18.0 3.11 3.95
2.89 YES
L0000146 0 0.95450E-07 399905.6 3748607.1 18.0 3.11 3.95
2.89 YES
L0000147 0 0.95450E-07 399897.1 3748607.1 17.9 3.11 3.95
2.89 YES
L0000148 0 0.95450E-07 399888.6 3748607.0 17.9 3.11 3.95
2.89 YES
L0000149 0 0.95450E-07 399880.1 3748607.0 18.0 3.11 3.95
2.89 YES
L0000150 0 0.95450E-07 399871.6 3748607.0 18.0 3.11 3.95
2.89 YES
L0000151 0 0.95450E-07 399863.1 3748607.0 17.9 3.11 3.95
2.89 YES
L0000152 0 0.95450E-07 399854.6 3748606.9 17.9 3.11 3.95
2.89 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000161	0	0.95450E-07	399778.1	3748606.6	17.7	3.11	3.95	2.89	YES	
L0000162	0	0.95450E-07	399769.6	3748606.6	17.7	3.11	3.95	2.89	YES	
L0000163	0	0.95450E-07	399761.1	3748606.6	17.6	3.11	3.95	2.89	YES	
L0000164	0	0.95450E-07	399752.6	3748606.5	17.5	3.11	3.95	2.89	YES	
L0000165	0	0.95450E-07	399744.1	3748606.5	17.5	3.11	3.95	2.89	YES	
L0000166	0	0.95450E-07	399735.6	3748606.5	17.5	3.11	3.95	2.89	YES	
L0000167	0	0.95450E-07	399727.1	3748606.4	17.5	3.11	3.95			

2.89 YES
L0000168 0 0.95450E-07 399718.6 3748606.4 17.5 3.11 3.95
2.89 YES
L0000169 0 0.95450E-07 399710.1 3748606.4 17.5 3.11 3.95
2.89 YES
L0000170 0 0.95450E-07 399701.6 3748606.4 17.5 3.11 3.95
2.89 YES
L0000171 0 0.95450E-07 399693.1 3748606.3 17.5 3.11 3.95
2.89 YES
L0000172 0 0.95450E-07 399684.6 3748606.3 17.4 3.11 3.95
2.89 YES
L0000173 0 0.95450E-07 399676.1 3748606.3 17.4 3.11 3.95
2.89 YES
L0000174 0 0.95450E-07 399667.6 3748606.2 17.3 3.11 3.95
2.89 YES
L0000175 0 0.95450E-07 399659.1 3748606.2 17.3 3.11 3.95
2.89 YES
L0000176 0 0.95450E-07 399650.6 3748606.2 17.4 3.11 3.95
2.89 YES
L0000177 0 0.95450E-07 399642.1 3748606.1 17.4 3.11 3.95
2.89 YES
L0000178 0 0.95450E-07 399633.6 3748606.1 17.5 3.11 3.95
2.89 YES
L0000179 0 0.95450E-07 399625.1 3748606.1 17.5 3.11 3.95
2.89 YES
L0000180 0 0.95450E-07 399616.6 3748606.0 17.5 3.11 3.95
2.89 YES
L0000181 0 0.95450E-07 399608.1 3748606.0 17.6 3.11 3.95
2.89 YES
L0000182 0 0.95450E-07 399599.6 3748606.0 17.6 3.11 3.95
2.89 YES
L0000183 0 0.95450E-07 399591.1 3748605.9 17.6 3.11 3.95
2.89 YES
L0000184 0 0.95450E-07 399582.6 3748605.9 17.7 3.11 3.95
2.89 YES
L0000185 0 0.95450E-07 399574.1 3748605.9 17.8 3.11 3.95
2.89 YES
L0000186 0 0.95450E-07 399565.6 3748605.9 17.9 3.11 3.95
2.89 YES
L0000187 0 0.95450E-07 399557.1 3748605.8 17.9 3.11 3.95
2.89 YES
L0000188 0 0.95450E-07 399548.6 3748605.8 17.9 3.11 3.95
2.89 YES
L0000189 0 0.95450E-07 399540.1 3748605.8 17.9 3.11 3.95
2.89 YES
L0000190 0 0.95450E-07 399531.6 3748605.7 17.9 3.11 3.95
2.89 YES
L0000191 0 0.95450E-07 399523.1 3748605.7 17.9 3.11 3.95
2.89 YES

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 L0000192         0   0.95450E-07  399514.6 3748605.7    18.0     3.11     3.95
2.89     YES
 L0000193         0   0.95450E-07  399506.1 3748605.6    18.0     3.11     3.95
2.89     YES
 L0000194         0   0.95450E-07  399497.6 3748605.6    18.0     3.11     3.95
2.89     YES
 L0000195         0   0.95450E-07  399489.1 3748605.6    18.0     3.11     3.95
2.89     YES
 L0000196         0   0.95450E-07  399480.6 3748605.5    18.0     3.11     3.95
2.89     YES
 L0000197         0   0.95450E-07  399472.1 3748605.5    18.1     3.11     3.95
2.89     YES
 L0000198         0   0.95450E-07  399463.6 3748605.5    18.1     3.11     3.95
2.89     YES
 L0000199         0   0.95450E-07  399455.1 3748605.4    18.1     3.11     3.95
2.89     YES
 L0000200         0   0.95450E-07  399446.6 3748605.4    18.2     3.11     3.95
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0000201         0   0.95450E-07  399438.1 3748605.4    18.2     3.11     3.95
2.89     YES
 L0000202         0   0.95450E-07  399429.6 3748605.3    18.2     3.11     3.95
2.89     YES
 L0000203         0   0.95450E-07  399421.1 3748605.3    18.2     3.11     3.95
2.89     YES
 L0000204         0   0.95450E-07  399412.6 3748605.3    18.2     3.11     3.95
2.89     YES
 L0000205         0   0.95450E-07  399404.1 3748605.3    18.3     3.11     3.95
2.89     YES
 L0000206         0   0.95450E-07  399395.6 3748605.2    18.3     3.11     3.95
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2.89 YES
L0000207 0 0.95450E-07 399387.1 3748605.2 18.4 3.11 3.95
2.89 YES
L0000208 0 0.95450E-07 399378.6 3748605.2 18.4 3.11 3.95
2.89 YES
L0000209 0 0.95450E-07 399370.1 3748605.1 18.4 3.11 3.95
2.89 YES
L0000210 0 0.95450E-07 399361.6 3748605.1 18.4 3.11 3.95
2.89 YES
L0000211 0 0.95450E-07 399353.1 3748605.1 18.4 3.11 3.95
2.89 YES
L0000212 0 0.95450E-07 399344.6 3748605.0 18.5 3.11 3.95
2.89 YES
L0000213 0 0.95450E-07 399336.1 3748605.0 18.5 3.11 3.95
2.89 YES
L0000214 0 0.95450E-07 399327.6 3748605.0 18.5 3.11 3.95
2.89 YES
L0000215 0 0.95450E-07 399319.1 3748604.9 18.5 3.11 3.95
2.89 YES
L0000216 0 0.95450E-07 399310.6 3748604.9 18.6 3.11 3.95
2.89 YES
L0000217 0 0.95450E-07 399302.1 3748604.9 18.6 3.11 3.95
2.89 YES
L0000218 0 0.95450E-07 399293.6 3748604.8 18.6 3.11 3.95
2.89 YES
L0000219 0 0.95450E-07 399285.1 3748604.8 18.6 3.11 3.95
2.89 YES
L0000220 0 0.95450E-07 399276.6 3748604.8 18.6 3.11 3.95
2.89 YES
L0000221 0 0.95450E-07 399268.1 3748604.8 18.6 3.11 3.95
2.89 YES
L0000222 0 0.95450E-07 399259.6 3748604.7 18.6 3.11 3.95
2.89 YES
L0000223 0 0.95000E-07 399656.4 3748801.8 17.8 3.11 3.95
2.89 YES
L0000224 0 0.95000E-07 399656.4 3748793.3 17.7 3.11 3.95
2.89 YES
L0000225 0 0.95000E-07 399656.4 3748784.8 17.7 3.11 3.95
2.89 YES
L0000226 0 0.95000E-07 399656.4 3748776.3 17.7 3.11 3.95
2.89 YES
L0000227 0 0.95000E-07 399656.4 3748767.8 17.7 3.11 3.95
2.89 YES
L0000228 0 0.95000E-07 399656.4 3748759.3 17.7 3.11 3.95
2.89 YES
L0000229 0 0.95000E-07 399656.4 3748750.8 17.6 3.11 3.95
2.89 YES
L0000230 0 0.95000E-07 399656.4 3748742.3 17.6 3.11 3.95
2.89 YES

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 L0000231         0   0.95000E-07  399656.4 3748733.8    17.6     3.11     3.95
2.89     YES
 L0000232         0   0.95000E-07  399656.4 3748725.3    17.6     3.11     3.95
2.89     YES
 L0000233         0   0.95000E-07  399656.4 3748716.8    17.5     3.11     3.95
2.89     YES
 L0000234         0   0.95000E-07  399656.4 3748708.3    17.5     3.11     3.95
2.89     YES
 L0000235         0   0.95000E-07  399656.4 3748699.8    17.5     3.11     3.95
2.89     YES
 L0000236         0   0.95000E-07  399656.4 3748691.3    17.5     3.11     3.95
2.89     YES
 L0000237         0   0.95000E-07  399656.4 3748682.8    17.5     3.11     3.95
2.89     YES
 L0000238         0   0.95000E-07  399656.4 3748674.3    17.5     3.11     3.95
2.89     YES
 L0000239         0   0.95000E-07  399656.4 3748665.8    17.6     3.11     3.95
2.89     YES
 L0000240         0   0.95000E-07  399656.4 3748657.3    17.6     3.11     3.95
2.89     YES
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000241         0   0.95000E-07  399656.4 3748648.8    17.5     3.11     3.95
2.89     YES
 L0000242         0   0.95000E-07  399656.4 3748640.3    17.4     3.11     3.95
2.89     YES
 L0000243         0   0.95000E-07  399656.4 3748631.8    17.4     3.11     3.95
2.89     YES
 L0000244         0   0.95000E-07  399656.4 3748623.3    17.3     3.11     3.95
2.89     YES
 L0000245         0   0.95750E-07  399906.7 3748625.6    18.0     3.11     3.95
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2.89 YES							
L0000246	0	0.95750E-07	399906.7	3748634.1	18.0	3.11	3.95
2.89 YES							
L0000247	0	0.95750E-07	399906.6	3748642.6	18.0	3.11	3.95
2.89 YES							
L0000248	0	0.95750E-07	399906.6	3748651.1	18.1	3.11	3.95
2.89 YES							
L0000249	0	0.95750E-07	399906.6	3748659.6	18.1	3.11	3.95
2.89 YES							
L0000250	0	0.95750E-07	399906.5	3748668.1	18.2	3.11	3.95
2.89 YES							
L0000251	0	0.95750E-07	399906.5	3748676.6	18.2	3.11	3.95
2.89 YES							
L0000252	0	0.95750E-07	399906.5	3748685.1	18.3	3.11	3.95
2.89 YES							
L0000253	0	0.95750E-07	399906.5	3748693.6	18.3	3.11	3.95
2.89 YES							
L0000254	0	0.95750E-07	399906.4	3748702.1	18.3	3.11	3.95
2.89 YES							
L0000255	0	0.95750E-07	399906.4	3748710.6	18.3	3.11	3.95
2.89 YES							
L0000256	0	0.95750E-07	399906.4	3748719.1	18.3	3.11	3.95
2.89 YES							
L0000257	0	0.95750E-07	399906.3	3748727.6	18.4	3.11	3.95
2.89 YES							
L0000258	0	0.95750E-07	399906.3	3748736.1	18.4	3.11	3.95
2.89 YES							
L0000259	0	0.95750E-07	399906.3	3748744.6	18.5	3.11	3.95
2.89 YES							
L0000260	0	0.95750E-07	399906.2	3748753.1	18.6	3.11	3.95
2.89 YES							
L0000261	0	0.95750E-07	399906.2	3748761.6	18.7	3.11	3.95
2.89 YES							
L0000262	0	0.95750E-07	399906.2	3748770.1	18.7	3.11	3.95
2.89 YES							
L0000263	0	0.95750E-07	399906.2	3748778.6	18.8	3.11	3.95
2.89 YES							
L0000264	0	0.95750E-07	399906.1	3748787.1	18.8	3.11	3.95
2.89 YES							
L0000265	0	0.95750E-07	399906.1	3748795.6	18.9	3.11	3.95
2.89 YES							
L0000266	0	0.95750E-07	399906.1	3748804.1	18.9	3.11	3.95
2.89 YES							
L0000267	0	0.95750E-07	399906.0	3748812.6	18.9	3.11	3.95
2.89 YES							
L0000268	0	0.95750E-07	399906.0	3748821.1	18.9	3.11	3.95
2.89 YES							
L0000269	0	0.95750E-07	399906.0	3748829.6	18.9	3.11	3.95
2.89 YES							

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 L0000270         0   0.95750E-07  399905.9 3748838.1    19.0     3.11     3.95
2.89     YES
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2.89     YES
 L0000272         0   0.95750E-07  399905.9 3748855.1    19.1     3.11     3.95
2.89     YES
 L0000273         0   0.95750E-07  399905.9 3748863.6    19.1     3.11     3.95
2.89     YES
 L0000274         0   0.95750E-07  399905.8 3748872.1    19.2     3.11     3.95
2.89     YES
 L0000275         0   0.95750E-07  399905.8 3748880.6    19.2     3.11     3.95
2.89     YES
 L0000276         0   0.95750E-07  399905.8 3748889.1    19.2     3.11     3.95
2.89     YES
 L0000277         0   0.95750E-07  399905.7 3748897.6    19.2     3.11     3.95
2.89     YES
 L0000278         0   0.95750E-07  399905.7 3748906.1    19.2     3.11     3.95
2.89     YES
 L0000279         0   0.95750E-07  399905.7 3748914.6    19.2     3.11     3.95
2.89     YES
 L0000280         0   0.95750E-07  399905.6 3748923.1    19.2     3.11     3.95
2.89     YES
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 L0000281         0   0.95750E-07  399905.6 3748931.6    19.3     3.11     3.95
2.89     YES
 L0000282         0   0.95750E-07  399905.6 3748940.1    19.7     3.11     3.95
2.89     YES
 L0000283         0   0.95750E-07  399905.6 3748948.6    20.1     3.11     3.95
2.89     YES
 L0000284         0   0.95750E-07  399905.5 3748957.1    20.5     3.11     3.95
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

  ALL   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   ,

             L0000009   , L0000010   , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   ,

             L0000017   , L0000018   , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   ,

             L0000025   , L0000026   , L0000027   , L0000028   , L0000029   ,
L0000030   , L0000031   , L0000032   ,

             L0000033   , L0000034   , L0000035   , L0000036   , L0000037   ,
L0000038   , L0000039   , L0000040   ,

             L0000041   , L0000042   , L0000043   , L0000044   , L0000045   ,
L0000046   , L0000047   , L0000048   ,

             L0000049   , L0000050   , L0000051   , L0000052   , L0000053   ,
L0000054   , L0000055   , L0000056   ,

             L0000057   , L0000058   , L0000059   , L0000060   , L0000061   ,
L0000062   , L0000063   , L0000064   ,

             L0000065   , L0000066   , L0000067   , L0000068   , L0000069   ,
L0000070   , L0000071   , L0000072   ,

             L0000073   , L0000074   , L0000075   , L0000076   , L0000077   ,
L0000078   , L0000079   , L0000080   ,

             L0000081   , L0000082   , L0000083   , L0000084   , L0000085   ,
L0000086   , L0000087   , L0000088   ,

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             L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

             L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

             L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

             L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,

             L0000153    , L0000154    , L0000155    , L0000156    , L0000157    ,
L0000158    , L0000159    , L0000160    ,
*** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                  PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


             L0000161    , L0000162    , L0000163    , L0000164    , L0000165    ,
L0000166    , L0000167    , L0000168    ,

             L0000169    , L0000170    , L0000171    , L0000172    , L0000173    ,
L0000174    , L0000175    , L0000176    ,

             L0000177    , L0000178    , L0000179    , L0000180    , L0000181    ,
L0000182    , L0000183    , L0000184    ,
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L0000190    , L0000191    , L0000192    ,

             L0000193    , L0000194    , L0000195    , L0000196    , L0000197    ,
L0000198    , L0000199    , L0000200    ,

             L0000201    , L0000202    , L0000203    , L0000204    , L0000205    ,
L0000206    , L0000207    , L0000208    ,

             L0000209    , L0000210    , L0000211    , L0000212    , L0000213    ,
L0000214    , L0000215    , L0000216    ,

             L0000217    , L0000218    , L0000219    , L0000220    , L0000221    ,
L0000222    , L0000223    , L0000224    ,

             L0000225    , L0000226    , L0000227    , L0000228    , L0000229    ,
L0000230    , L0000231    , L0000232    ,

             L0000233    , L0000234    , L0000235    , L0000236    , L0000237    ,
L0000238    , L0000239    , L0000240    ,

             L0000241    , L0000242    , L0000243    , L0000244    , L0000245    ,
L0000246    , L0000247    , L0000248    ,

             L0000249    , L0000250    , L0000251    , L0000252    , L0000253    ,
L0000254    , L0000255    , L0000256    ,

             L0000257    , L0000258    , L0000259    , L0000260    , L0000261    ,
L0000262    , L0000263    , L0000264    ,

             L0000265    , L0000266    , L0000267    , L0000268    , L0000269    ,
L0000270    , L0000271    , L0000272    ,

             L0000273    , L0000274    , L0000275    , L0000276    , L0000277    ,
L0000278    , L0000279    , L0000280    ,

             L0000281    , L0000282    , L0000283    , L0000284    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***
```

URBAN ID	URBAN POP	SOURCE IDs
	9861224.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
		L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
		L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
		L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
		L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
		L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,
		L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,
		L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,
		L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
		L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,

L0000118   , L0000119   , L0000120   ,

             L0000121   , L0000122   , L0000123   , L0000124   , L0000125   ,
L0000126   , L0000127   , L0000128   ,

             L0000129   , L0000130   , L0000131   , L0000132   , L0000133   ,
L0000134   , L0000135   , L0000136   ,

             L0000137   , L0000138   , L0000139   , L0000140   , L0000141   ,
L0000142   , L0000143   , L0000144   ,

             L0000145   , L0000146   , L0000147   , L0000148   , L0000149   ,
L0000150   , L0000151   , L0000152   ,

             L0000153   , L0000154   , L0000155   , L0000156   , L0000157   ,
L0000158   , L0000159   , L0000160   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0000161   , L0000162   , L0000163   , L0000164   , L0000165   ,
L0000166   , L0000167   , L0000168   ,

             L0000169   , L0000170   , L0000171   , L0000172   , L0000173   ,
L0000174   , L0000175   , L0000176   ,

             L0000177   , L0000178   , L0000179   , L0000180   , L0000181   ,
L0000182   , L0000183   , L0000184   ,

             L0000185   , L0000186   , L0000187   , L0000188   , L0000189   ,
L0000190   , L0000191   , L0000192   ,

             L0000193   , L0000194   , L0000195   , L0000196   , L0000197   ,
L0000198   , L0000199   , L0000200   ,

             L0000201   , L0000202   , L0000203   , L0000204   , L0000205   ,
L0000206   , L0000207   , L0000208   ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399370.3, 3748667.1, 18.5, 18.5, 0.0); (399405.3, 3748667.1, 18.5, 18.5, 0.0);
(399440.3, 3748667.1, 18.3, 18.3, 0.0); (399615.3, 3748667.1, 18.1, 18.1, 0.0);
(399650.3, 3748667.1, 17.7, 17.7, 0.0); (399370.3, 3748702.1, 18.5, 18.5, 0.0);
(399405.3, 3748702.1, 18.4, 18.4, 0.0); (399440.3, 3748702.1, 18.4, 18.4, 0.0);

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     ( 399370.3, 3748737.1,      18.5,      18.5,       0.0);         ( 399405.3,
3748737.1,      18.6,      18.6,       0.0);
     ( 399440.3, 3748737.1,      18.3,      18.3,       0.0);         ( 399615.3,
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     ( 399650.3, 3748737.1,      17.7,      17.7,       0.0);         ( 399370.3,
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     ( 399405.3, 3748772.1,      18.6,      18.6,       0.0);         ( 399440.3,
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     ( 399615.3, 3748772.1,      18.2,      18.2,       0.0);         ( 399650.3,
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     ( 399370.3, 3748807.1,      18.7,      18.7,       0.0);         ( 399405.3,
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     ( 399440.3, 3748807.1,      18.3,      18.3,       0.0);         ( 399615.3,
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     ( 399650.3, 3748807.1,      17.8,      17.8,       0.0);         ( 399370.3,
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     ( 399405.3, 3748842.1,      18.6,      18.6,       0.0);         ( 399440.3,
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     ( 399370.3, 3748877.1,      18.8,      18.8,       0.0);         ( 399405.3,
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     ( 399440.3, 3748877.1,      18.4,      18.4,       0.0);         ( 399418.0,
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     ( 399441.0, 3749014.6,      19.5,      19.5,       0.0);         ( 399418.0,
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     ( 399441.0, 3749049.6,      18.7,      18.7,       0.0);         ( 399464.0,
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     ( 399487.0, 3749049.6,      18.6,      18.6,       0.0);         ( 399510.0,
3749049.6,      18.6,      18.6,       0.0);
     ( 399533.0, 3749049.6,      18.5,      18.5,       0.0);         ( 399556.0,
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     ( 399579.0, 3749049.6,      18.4,      18.4,       0.0);         ( 399602.0,
3749049.6,      18.5,      18.5,       0.0);
     ( 399625.0, 3749049.6,      18.7,      18.7,       0.0);         ( 399648.0,
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     ( 399671.0, 3749049.6,      19.1,      19.1,       0.0);         ( 399694.0,
3749049.6,      19.2,      19.2,       0.0);
     ( 399717.0, 3749049.6,      19.2,      19.2,       0.0);         ( 399740.0,
3749049.6,      19.2,      19.2,       0.0);
     ( 399763.0, 3749049.6,      19.3,      25.2,       0.0);         ( 399786.0,
3749049.6,      19.3,      25.6,       0.0);
     ( 399809.0, 3749049.6,      19.4,      25.9,       0.0);         ( 399832.0,
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     ( 399855.0, 3749049.6,      19.7,      26.3,       0.0);         ( 399878.0,
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     ( 399303.0, 3749084.6,      19.1,      19.1,       0.0);         ( 399326.0,
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     ( 399349.0, 3749084.6,      18.7,      18.7,       0.0);         ( 399372.0,
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     (399441.0, 3749084.6,   19.1,   19.1,   0.0);   (399464.0,
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     (399487.0, 3749084.6,   19.2,   19.2,   0.0);   (399510.0,
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     (399579.0, 3749084.6,   18.8,   18.8,   0.0);   (399625.0,
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     (399694.0, 3749084.6,   18.9,   18.9,   0.0);   (399717.0,
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     (399740.0, 3749084.6,   19.2,   19.2,   0.0);   (399763.0,
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     (399786.0, 3749084.6,   19.4,   19.4,   0.0);   (399809.0,
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     (399832.0, 3749084.6,   19.7,   19.7,   0.0);   (399855.0,
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     (399878.0, 3749084.6,   19.7,   19.7,   0.0);   (400085.0,
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     (399349.0, 3749119.6,   19.4,   19.4,   0.0);   (399372.0,
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     (399441.0, 3749119.6,   19.0,   19.0,   0.0);   (399464.0,
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     (399487.0, 3749119.6,   19.1,   19.1,   0.0);   (399510.0,
3749119.6,   19.0,   19.0,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (399533.0, 3749119.6,   19.0,   19.0,   0.0);   (399556.0,
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     (399579.0, 3749119.6,   18.9,   18.9,   0.0);   (399625.0,
3749119.6,   18.8,   18.8,   0.0);

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     ( 399694.0, 3749119.6,      19.2,      19.2,       0.0);         ( 399717.0,
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     ( 399740.0, 3749119.6,      19.5,      19.5,       0.0);         ( 399763.0,
3749119.6,      19.7,      19.7,       0.0);
     ( 399786.0, 3749119.6,      19.8,      19.8,       0.0);         ( 399809.0,
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     ( 399832.0, 3749119.6,      19.9,      19.9,       0.0);         ( 399855.0,
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     ( 400085.0, 3749154.6,      18.9,      18.9,       0.0);         ( 399303.0,
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     ( 399326.0, 3749189.6,      19.7,      19.7,       0.0);         ( 399349.0,
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     ( 399372.0, 3749189.6,      19.5,      19.5,       0.0);         ( 399395.0,
3749189.6,      19.2,      19.2,       0.0);
     ( 399418.0, 3749189.6,      19.4,      19.4,       0.0);         ( 399441.0,
3749189.6,      19.4,      19.4,       0.0);
     ( 399464.0, 3749189.6,      19.5,      19.5,       0.0);         ( 399487.0,
3749189.6,      19.7,      19.7,       0.0);
     ( 399510.0, 3749189.6,      19.8,      19.8,       0.0);         ( 399533.0,
3749189.6,      19.8,      19.8,       0.0);
     ( 399556.0, 3749189.6,      19.6,      19.6,       0.0);         ( 399579.0,
3749189.6,      19.1,      19.1,       0.0);
     ( 399625.0, 3749189.6,      19.1,      19.1,       0.0);         ( 399648.0,
3749189.6,      19.2,      19.2,       0.0);
     ( 399671.0, 3749189.6,      19.2,      19.2,       0.0);         ( 399694.0,
3749189.6,      19.3,      19.3,       0.0);
     ( 399717.0, 3749189.6,      19.5,      19.5,       0.0);         ( 399740.0,
3749189.6,      19.2,      19.2,       0.0);
     ( 399763.0, 3749189.6,      19.4,      19.4,       0.0);         ( 399786.0,
3749189.6,      19.7,      19.7,       0.0);
     ( 399809.0, 3749189.6,      19.8,      19.8,       0.0);         ( 399832.0,
3749189.6,      19.8,      19.8,       0.0);
     ( 399855.0, 3749189.6,      20.0,      20.0,       0.0);         ( 399878.0,
3749189.6,      20.0,      20.0,       0.0);
     ( 400016.0, 3749189.6,      19.0,      19.0,       0.0);         ( 400039.0,
3749189.6,      19.0,      19.0,       0.0);
     ( 400062.0, 3749189.6,      18.9,      18.9,       0.0);         ( 400085.0,
3749189.6,      18.9,      18.9,       0.0);
     ( 399303.0, 3749224.6,      19.9,      19.9,       0.0);         ( 399326.0,
3749224.6,      19.7,      19.7,       0.0);
     ( 399349.0, 3749224.6,      19.6,      19.6,       0.0);         ( 399372.0,
3749224.6,      19.5,      19.5,       0.0);
     ( 399395.0, 3749224.6,      19.3,      19.3,       0.0);         ( 399418.0,
3749224.6,      19.4,      19.4,       0.0);
     ( 399441.0, 3749224.6,      19.5,      19.5,       0.0);         ( 399464.0,
3749224.6,      19.6,      19.6,       0.0);
     ( 399487.0, 3749224.6,      19.7,      19.7,       0.0);         ( 399510.0,
3749224.6,      19.9,      19.9,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 399533.0, 3749224.6,      20.1,      20.1,       0.0);         ( 399556.0,
3749224.6,      20.1,      20.1,       0.0);
     ( 399579.0, 3749224.6,      19.5,      19.5,       0.0);         ( 399625.0,
3749224.6,      19.1,      19.1,       0.0);
     ( 399648.0, 3749224.6,      19.2,      19.2,       0.0);         ( 399671.0,
3749224.6,      19.3,      19.3,       0.0);
     ( 399694.0, 3749224.6,      19.5,      19.5,       0.0);         ( 399717.0,
3749224.6,      19.8,      19.8,       0.0);
     ( 399740.0, 3749224.6,      19.7,      19.7,       0.0);         ( 399763.0,
3749224.6,      19.8,      19.8,       0.0);
     ( 399786.0, 3749224.6,      19.9,      19.9,       0.0);         ( 399809.0,
3749224.6,      19.9,      19.9,       0.0);
     ( 399832.0, 3749224.6,      20.0,      20.0,       0.0);         ( 399855.0,
3749224.6,      20.1,      20.1,       0.0);
     ( 399878.0, 3749224.6,      20.0,      20.0,       0.0);         ( 400016.0,
3749224.6,      19.2,      19.2,       0.0);
     ( 400039.0, 3749224.6,      19.2,      19.2,       0.0);         ( 400062.0,
3749224.6,      19.2,      19.2,       0.0);
     ( 400085.0, 3749224.6,      19.2,      19.2,       0.0);         ( 400112.3,
3748645.8,      17.9,      17.9,       0.0);
     ( 400147.3, 3748645.8,      18.2,      18.2,       0.0);         ( 400182.3,
3748645.8,      18.2,      18.2,       0.0);
     ( 400217.3, 3748645.8,      18.2,      18.2,       0.0);         ( 400252.3,
3748645.8,      18.0,      18.0,       0.0);
     ( 400287.3, 3748645.8,      17.6,      17.6,       0.0);         ( 400322.3,
3748645.8,      18.1,      18.1,       0.0);
     ( 400357.3, 3748645.8,      17.5,      17.5,       0.0);         ( 400392.3,
3748645.8,      17.7,      17.7,       0.0);
     ( 400112.3, 3748680.8,      18.2,      18.2,       0.0);         ( 400147.3,
3748680.8,      18.4,      18.4,       0.0);
     ( 400182.3, 3748680.8,      18.0,      18.0,       0.0);         ( 400217.3,
3748680.8,      18.1,      18.1,       0.0);
     ( 400252.3, 3748680.8,      18.1,      18.1,       0.0);         ( 400287.3,
3748680.8,      17.7,      17.7,       0.0);
     ( 400322.3, 3748680.8,      18.1,      18.1,       0.0);         ( 400357.3,
3748680.8,      17.5,      17.5,       0.0);
     ( 400392.3, 3748680.8,      17.9,      17.9,       0.0);         ( 400112.3,
3748715.8,      18.3,      18.3,       0.0);
     ( 400147.3, 3748715.8,      18.4,      18.4,       0.0);         ( 400182.3,
3748715.8,      18.1,      18.1,       0.0);
     ( 400217.3, 3748715.8,      18.5,      18.5,       0.0);         ( 400252.3,
3748715.8,      18.4,      18.4,       0.0);
     ( 400287.3, 3748715.8,      17.8,      17.8,       0.0);         ( 400322.3,
3748715.8,      18.2,      18.2,       0.0);
     ( 400357.3, 3748715.8,      17.6,      17.6,       0.0);         ( 400392.3,
3748715.8,      18.1,      18.1,       0.0);
     ( 400112.3, 3748750.8,      18.4,      18.4,       0.0);         ( 400147.3,
3748750.8,      18.7,      18.7,       0.0);
     ( 400182.3, 3748750.8,      18.2,      18.2,       0.0);         ( 400217.3,
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3748750.8,      18.4,      18.4,       0.0);
     ( 400252.3, 3748750.8,      18.3,      18.3,       0.0);         ( 400287.3,
3748750.8,      18.0,      18.0,       0.0);
     ( 400322.3, 3748750.8,      18.2,      18.2,       0.0);         ( 400357.3,
3748750.8,      17.8,      17.8,       0.0);
     ( 400392.3, 3748750.8,      18.1,      18.1,       0.0);         ( 400112.3,
3748785.8,      18.5,      18.5,       0.0);
     ( 400147.3, 3748785.8,      18.5,      18.5,       0.0);         ( 400182.3,
3748785.8,      18.3,      18.3,       0.0);
     ( 400217.3, 3748785.8,      18.3,      18.3,       0.0);         ( 400252.3,
3748785.8,      18.3,      18.3,       0.0);
     ( 400287.3, 3748785.8,      18.6,      18.6,       0.0);         ( 400322.3,
3748785.8,      18.3,      18.3,       0.0);
     ( 400357.3, 3748785.8,      18.0,      18.0,       0.0);         ( 400392.3,
3748785.8,      17.8,      17.8,       0.0);
     ( 400112.3, 3748820.8,      18.6,      18.6,       0.0);         ( 400147.3,
3748820.8,      18.6,      18.6,       0.0);
     ( 400182.3, 3748820.8,      18.5,      18.5,       0.0);         ( 400217.3,
3748820.8,      18.5,      18.5,       0.0);
     ( 400252.3, 3748820.8,      18.7,      18.7,       0.0);         ( 400287.3,
3748820.8,      18.7,      18.7,       0.0);
     ( 400322.3, 3748820.8,      18.6,      18.6,       0.0);         ( 400357.3,
3748820.8,      18.1,      18.1,       0.0);
     ( 400392.3, 3748820.8,      17.8,      17.8,       0.0);         ( 400112.3,
3748855.8,      18.7,      18.7,       0.0);
     ( 400147.3, 3748855.8,      18.7,      18.7,       0.0);         ( 400182.3,
3748855.8,      18.6,      18.6,       0.0);
     ( 400217.3, 3748855.8,      18.6,      18.6,       0.0);         ( 400252.3,
3748855.8,      18.7,      18.7,       0.0);
     ( 400287.3, 3748855.8,      18.7,      18.7,       0.0);         ( 400322.3,
3748855.8,      18.5,      18.5,       0.0);
     ( 400357.3, 3748855.8,      18.2,      18.2,       0.0);         ( 400392.3,
3748855.8,      17.9,      17.9,       0.0);
     ( 400112.3, 3748890.8,      18.8,      18.8,       0.0);         ( 400147.3,
3748890.8,      18.8,      18.8,       0.0);
     ( 400182.3, 3748890.8,      18.8,      18.8,       0.0);         ( 400217.3,
3748890.8,      18.7,      18.7,       0.0);
     ( 400252.3, 3748890.8,      18.6,      18.6,       0.0);         ( 400287.3,
3748890.8,      18.5,      18.5,       0.0);
     ( 400322.3, 3748890.8,      18.4,      18.4,       0.0);         ( 400357.3,
3748890.8,      18.1,      18.1,       0.0);
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                  PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400392.3, 3748890.8, 18.0, 18.0, 0.0); (400112.3, 3748925.8, 18.9, 24.1, 0.0);
(400147.3, 3748925.8, 18.9, 22.7, 0.0); (400182.3, 3748925.8, 18.9, 18.9, 0.0);
(400217.3, 3748925.8, 18.8, 18.8, 0.0); (400252.3, 3748925.8, 18.8, 18.8, 0.0);
(400287.3, 3748925.8, 18.6, 18.6, 0.0); (400322.3, 3748925.8, 18.6, 18.6, 0.0);
(400357.3, 3748925.8, 18.4, 18.4, 0.0); (400392.3, 3748925.8, 18.5, 18.5, 0.0);
(399468.0, 3748222.3, 17.4, 17.4, 0.0); (399503.0, 3748222.3, 17.4, 17.4, 0.0);
(399538.0, 3748222.3, 17.5, 17.5, 0.0); (399573.0, 3748222.3, 17.4, 17.4, 0.0);
(399608.0, 3748222.3, 17.3, 17.3, 0.0); (399643.0, 3748222.3, 17.3, 17.3, 0.0);
(399678.0, 3748222.3, 17.0, 17.0, 0.0); (399713.0, 3748222.3, 17.1, 17.1, 0.0);
(399748.0, 3748222.3, 17.2, 17.2, 0.0); (399783.0, 3748222.3, 17.4, 17.4, 0.0);
(399818.0, 3748222.3, 17.9, 17.9, 0.0); (399853.0, 3748222.3, 17.8, 17.8, 0.0);
(399888.0, 3748222.3, 17.1, 17.1, 0.0); (399923.0, 3748222.3, 17.2, 17.2, 0.0);
(399958.0, 3748222.3, 17.3, 17.3, 0.0); (399993.0, 3748222.3, 17.4, 17.4, 0.0);
(400028.0, 3748222.3, 17.5, 17.5, 0.0); (400063.0, 3748222.3, 17.3, 17.3, 0.0);
(400098.0, 3748222.3, 17.3, 17.3, 0.0); (400133.0, 3748222.3, 17.1, 17.1, 0.0);
(400168.0, 3748222.3, 17.0, 17.0, 0.0); (399468.0, 3748257.3, 17.5, 17.5, 0.0);
(399503.0, 3748257.3, 17.6, 17.6, 0.0); (399538.0, 3748257.3, 17.7, 17.7, 0.0);
(399573.0, 3748257.3, 17.5, 17.5, 0.0); (399608.0, 3748257.3, 17.4, 17.4, 0.0);
(399643.0, 3748257.3, 17.4, 17.4, 0.0); (399678.0, 3748257.3, 17.2, 17.2, 0.0);
(399713.0, 3748257.3, 17.2, 17.2, 0.0); (399748.0, 3748257.3, 17.2, 17.2, 0.0);
(399783.0, 3748257.3, 17.5, 17.5, 0.0); (399818.0, 3748257.3, 17.4, 17.4, 0.0);
(399853.0, 3748257.3, 17.8, 17.8, 0.0); (399888.0, 3748257.3, 17.2, 17.2, 0.0);
(399923.0, 3748257.3, 17.2, 17.2, 0.0); (399958.0,

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3748257.3,      17.3,      17.3,       0.0);
     ( 399993.0, 3748257.3,      17.6,      17.6,       0.0);         ( 400028.0,
3748257.3,      17.9,      17.9,       0.0);
     ( 400063.0, 3748257.3,      17.5,      17.5,       0.0);         ( 400098.0,
3748257.3,      17.6,      17.6,       0.0);
     ( 400133.0, 3748257.3,      17.2,      17.2,       0.0);         ( 400168.0,
3748257.3,      17.0,      17.0,       0.0);
     ( 399468.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399503.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399538.0, 3748292.3,      17.6,      17.6,       0.0);         ( 399573.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399608.0, 3748292.3,      17.4,      17.4,       0.0);         ( 399643.0,
3748292.3,      17.5,      17.5,       0.0);
     ( 399678.0, 3748292.3,      17.3,      17.3,       0.0);         ( 399713.0,
3748292.3,      17.1,      17.1,       0.0);
     ( 399748.0, 3748292.3,      17.3,      17.3,       0.0);         ( 399783.0,
3748292.3,      17.6,      17.6,       0.0);
     ( 399818.0, 3748292.3,      17.7,      17.7,       0.0);         ( 399853.0,
3748292.3,      17.7,      17.7,       0.0);
     ( 399888.0, 3748292.3,      17.2,      17.2,       0.0);         ( 399923.0,
3748292.3,      17.2,      17.2,       0.0);
     ( 399958.0, 3748292.3,      17.4,      17.4,       0.0);         ( 399993.0,
3748292.3,      17.8,      17.8,       0.0);
     ( 400028.0, 3748292.3,      18.1,      18.1,       0.0);         ( 400063.0,
3748292.3,      17.7,      17.7,       0.0);
     ( 400098.0, 3748292.3,      17.7,      17.7,       0.0);         ( 400133.0,
3748292.3,      17.3,      17.3,       0.0);
     ( 400168.0, 3748292.3,      17.0,      17.0,       0.0);         ( 399468.0,
3748327.3,      17.7,      17.7,       0.0);
     ( 399503.0, 3748327.3,      17.6,      17.6,       0.0);         ( 399538.0,
3748327.3,      17.6,      17.6,       0.0);
     ( 399573.0, 3748327.3,      17.6,      17.6,       0.0);         ( 399608.0,
3748327.3,      17.4,      17.4,       0.0);
     ( 399643.0, 3748327.3,      17.5,      17.5,       0.0);         ( 399678.0,
3748327.3,      17.5,      17.5,       0.0);
     ( 399713.0, 3748327.3,      17.2,      17.2,       0.0);         ( 399748.0,
3748327.3,      17.4,      17.4,       0.0);
     ( 399783.0, 3748327.3,      17.5,      17.5,       0.0);         ( 399818.0,
3748327.3,      17.7,      17.7,       0.0);
     ( 399853.0, 3748327.3,      17.8,      17.8,       0.0);         ( 399888.0,
3748327.3,      17.3,      17.3,       0.0);
     ( 399923.0, 3748327.3,      17.3,      17.3,       0.0);         ( 399958.0,
3748327.3,      17.4,      17.4,       0.0);
     ( 399993.0, 3748327.3,      17.6,      17.6,       0.0);         ( 400028.0,
3748327.3,      17.7,      17.7,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400063.0, 3748327.3, 17.7, 17.7, 0.0); (400098.0, 3748327.3, 17.8, 17.8, 0.0);
(400133.0, 3748327.3, 17.4, 17.4, 0.0); (400168.0, 3748327.3, 17.2, 17.2, 0.0);
(399468.0, 3748362.3, 17.7, 17.7, 0.0); (399503.0, 3748362.3, 17.7, 17.7, 0.0);
(399538.0, 3748362.3, 17.5, 17.5, 0.0); (399573.0, 3748362.3, 17.6, 17.6, 0.0);
(399608.0, 3748362.3, 17.4, 17.4, 0.0); (399643.0, 3748362.3, 17.5, 17.5, 0.0);
(399678.0, 3748362.3, 17.7, 17.7, 0.0); (399713.0, 3748362.3, 17.2, 17.2, 0.0);
(399748.0, 3748362.3, 17.4, 17.4, 0.0); (399783.0, 3748362.3, 17.5, 17.5, 0.0);
(399818.0, 3748362.3, 17.7, 17.7, 0.0); (399853.0, 3748362.3, 17.8, 17.8, 0.0);
(399888.0, 3748362.3, 17.4, 17.4, 0.0); (399923.0, 3748362.3, 17.2, 17.2, 0.0);
(399958.0, 3748362.3, 17.4, 17.4, 0.0); (399993.0, 3748362.3, 17.5, 17.5, 0.0);
(400028.0, 3748362.3, 17.5, 17.5, 0.0); (400063.0, 3748362.3, 17.6, 17.6, 0.0);
(400098.0, 3748362.3, 17.6, 17.6, 0.0); (400133.0, 3748362.3, 17.6, 17.6, 0.0);
(400168.0, 3748362.3, 17.1, 17.1, 0.0); (399468.0, 3748397.3, 17.9, 17.9, 0.0);
(399503.0, 3748397.3, 17.8, 17.8, 0.0); (399538.0, 3748397.3, 17.7, 17.7, 0.0);
(399573.0, 3748397.3, 17.8, 17.8, 0.0); (399608.0, 3748397.3, 17.6, 17.6, 0.0);
(399643.0, 3748397.3, 17.4, 17.4, 0.0); (399678.0, 3748397.3, 17.6, 17.6, 0.0);
(399713.0, 3748397.3, 17.3, 17.3, 0.0); (399748.0, 3748397.3, 17.4, 17.4, 0.0);
(399783.0, 3748397.3, 17.5, 17.5, 0.0); (399818.0, 3748397.3, 17.5, 17.5, 0.0);
(399853.0, 3748397.3, 17.6, 17.6, 0.0); (399888.0, 3748397.3, 17.4, 17.4, 0.0);
(399923.0, 3748397.3, 17.4, 17.4, 0.0); (399958.0, 3748397.3, 17.4, 17.4, 0.0);
(399993.0, 3748397.3, 17.6, 17.6, 0.0); (400028.0,

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3748397.3,      17.7,      17.7,       0.0);
     ( 400063.0, 3748397.3,      18.0,      18.0,       0.0);         ( 400098.0,
3748397.3,      17.9,      17.9,       0.0);
     ( 400133.0, 3748397.3,      17.9,      17.9,       0.0);         ( 400168.0,
3748397.3,      17.9,      17.9,       0.0);
     ( 399468.0, 3748432.3,      18.0,      18.0,       0.0);         ( 399503.0,
3748432.3,      17.9,      17.9,       0.0);
     ( 399538.0, 3748432.3,      17.7,      17.7,       0.0);         ( 399573.0,
3748432.3,      17.8,      17.8,       0.0);
     ( 399608.0, 3748432.3,      17.7,      17.7,       0.0);         ( 399643.0,
3748432.3,      17.6,      17.6,       0.0);
     ( 399678.0, 3748432.3,      17.8,      17.8,       0.0);         ( 399713.0,
3748432.3,      17.6,      17.6,       0.0);
     ( 399748.0, 3748432.3,      17.5,      17.5,       0.0);         ( 399783.0,
3748432.3,      17.5,      17.5,       0.0);
     ( 399818.0, 3748432.3,      17.7,      17.7,       0.0);         ( 399853.0,
3748432.3,      17.7,      17.7,       0.0);
     ( 399888.0, 3748432.3,      17.5,      17.5,       0.0);         ( 399923.0,
3748432.3,      17.5,      17.5,       0.0);
     ( 399958.0, 3748432.3,      18.0,      18.0,       0.0);         ( 399993.0,
3748432.3,      17.9,      17.9,       0.0);
     ( 400028.0, 3748432.3,      17.9,      17.9,       0.0);         ( 400063.0,
3748432.3,      18.1,      18.1,       0.0);
     ( 400098.0, 3748432.3,      18.2,      18.2,       0.0);         ( 400133.0,
3748432.3,      18.2,      18.2,       0.0);
     ( 400168.0, 3748432.3,      18.2,      18.2,       0.0);         ( 399468.0,
3748467.3,      18.0,      18.0,       0.0);
     ( 399503.0, 3748467.3,      17.9,      17.9,       0.0);         ( 399538.0,
3748467.3,      17.7,      17.7,       0.0);
     ( 399573.0, 3748467.3,      17.8,      17.8,       0.0);         ( 399608.0,
3748467.3,      17.7,      17.7,       0.0);
     ( 399643.0, 3748467.3,      17.6,      17.6,       0.0);         ( 399678.0,
3748467.3,      18.0,      18.0,       0.0);
     ( 399713.0, 3748467.3,      17.5,      17.5,       0.0);         ( 399748.0,
3748467.3,      17.4,      17.4,       0.0);
     ( 399783.0, 3748467.3,      17.5,      17.5,       0.0);         ( 399818.0,
3748467.3,      17.6,      17.6,       0.0);
     ( 399853.0, 3748467.3,      17.7,      17.7,       0.0);         ( 399888.0,
3748467.3,      17.5,      17.5,       0.0);
     ( 399923.0, 3748467.3,      18.0,      18.0,       0.0);         ( 399958.0,
3748467.3,      18.1,      18.1,       0.0);
     ( 399993.0, 3748467.3,      18.2,      18.2,       0.0);         ( 400028.0,
3748467.3,      18.0,      18.0,       0.0);
     ( 400063.0, 3748467.3,      18.2,      18.2,       0.0);         ( 400098.0,
3748467.3,      18.2,      18.2,       0.0);
     ( 400133.0, 3748467.3,      18.2,      18.2,       0.0);         ( 400168.0,
3748467.3,      18.4,      18.4,       0.0);
     ( 399468.0, 3748502.3,      18.0,      18.0,       0.0);         ( 399538.0,
3748502.3,      17.6,      17.6,       0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399573.0, 3748502.3, 17.5, 17.5, 0.0); (399608.0, 3748502.3, 17.5, 17.5, 0.0);
(399643.0, 3748502.3, 17.5, 17.5, 0.0); (399678.0, 3748502.3, 17.4, 17.4, 0.0);
(399713.0, 3748502.3, 17.1, 17.1, 0.0); (399748.0, 3748502.3, 17.2, 17.2, 0.0);
(400063.0, 3748502.3, 18.2, 18.2, 0.0); (400098.0, 3748502.3, 18.2, 18.2, 0.0);
(400133.0, 3748502.3, 18.2, 18.2, 0.0); (400168.0, 3748502.3, 18.2, 18.2, 0.0);
(399468.0, 3748537.3, 18.3, 18.3, 0.0); (399538.0, 3748537.3, 18.0, 18.0, 0.0);
(399573.0, 3748537.3, 17.9, 17.9, 0.0); (399608.0, 3748537.3, 17.8, 17.8, 0.0);
(399643.0, 3748537.3, 17.8, 17.8, 0.0); (399678.0, 3748537.3, 18.1, 18.1, 0.0);
(399713.0, 3748537.3, 17.9, 17.9, 0.0); (399748.0, 3748537.3, 17.8, 17.8, 0.0);
(400063.0, 3748537.3, 18.2, 18.2, 0.0); (400098.0, 3748537.3, 18.3, 18.3, 0.0);
(400133.0, 3748537.3, 18.3, 18.3, 0.0); (400168.0, 3748537.3, 18.2, 18.2, 0.0);
(399468.0, 3748572.3, 18.1, 18.1, 0.0); (399748.0, 3748572.3, 17.5, 17.5, 0.0);
(400063.0, 3748572.3, 18.0, 18.0, 0.0); (400098.0, 3748572.3, 18.0, 18.0, 0.0);
(400133.0, 3748572.3, 18.3, 18.3, 0.0); (400168.0, 3748572.3, 18.1, 18.1, 0.0);

↑ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc *** 07/15/22
*** AERMET - VERSION 16216 *** ***
*** 18:49:26

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT

BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000223	399650.3	3748807.1	-0.38
L0000226	399650.3	3748772.1	-1.04
L0000227	399650.3	3748772.1	-0.99
L0000230	399650.3	3748737.1	-0.43
L0000231	399650.3	3748737.1	-1.51
L0000234	399650.3	3748702.1	0.25
L0000235	399650.3	3748702.1	-1.93
L0000238	399650.3	3748667.1	0.98
L0000239	399650.3	3748667.1	-2.20

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*** AERMET - VERSION 16216 *** ***
*** 18:49:26

PAGE 21
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

```
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.



                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,
10.80,
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:49:26

                                    PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   KFUL_V9_ADJU\KFUL_v9.SFC
                Met Version:  16216
   Profile file:   KFUL_V9_ADJU\KFUL_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3166                 Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN

                  Year:   2012                                    Year:   2012

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
```

```
 12 01 01   1 01   -4.8  0.098 -9.000 -9.000 -999.   74.     18.0  0.26   2.61
1.00    0.96  322.   10.1  283.8    2.0
 12 01 01   1 02   -1.9  0.072 -9.000 -9.000 -999.   47.     18.0  0.26   2.61
1.00    0.52   13.   10.1  283.1    2.0
 12 01 01   1 03   -3.1  0.083 -9.000 -9.000 -999.   57.     16.3  0.26   2.61
1.00    0.75   73.   10.1  282.0    2.0
 12 01 01   1 04   -4.3  0.094 -9.000 -9.000 -999.   69.     17.3  0.26   2.61
1.00    0.91   98.   10.1  281.4    2.0
 12 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.26   2.61
1.00    0.00    0.   10.1  280.9    2.0
 12 01 01   1 06   -2.1  0.074 -9.000 -9.000 -999.   48.     17.6  0.26   2.61
1.00    0.55   80.   10.1  280.4    2.0
 12 01 01   1 07   -2.8  0.080 -9.000 -9.000 -999.   54.     16.3  0.26   2.61
1.00    0.69  201.   10.1  280.4    2.0
 12 01 01   1 08   -1.5  0.066 -9.000 -9.000 -999.   41.     17.0  0.26   2.61
0.54    0.52   72.   10.1  280.9    2.0
 12 01 01   1 09   37.4 -9.000 -9.000 -9.000   38. -999. -99999.0  0.26   2.61
0.31    0.00    0.   10.1  285.9    2.0
 12 01 01   1 10  109.1  0.151  0.713  0.008  121.  141.     -2.9  0.26   2.61
0.24    0.79  268.   10.1  289.9    2.0
 12 01 01   1 11  160.5  0.148  1.143  0.005  338.  136.     -1.8  0.26   2.61
0.21    0.70  273.   10.1  294.2    2.0
 12 01 01   1 12  186.9  0.156  1.483  0.005  634.  148.     -1.8  0.26   2.61
0.20    0.74  230.   10.1  297.5    2.0
 12 01 01   1 13  187.4  0.210  1.777  0.005 1088.  231.     -4.5  0.26   2.61
0.20    1.20  227.   10.1  300.4    2.0
 12 01 01   1 14  160.3  0.235  1.833  0.005 1395.  274.     -7.4  0.26   2.61
0.21    1.47  233.   10.1  300.9    2.0
 12 01 01   1 15  109.1  0.197  1.662  0.005 1527.  210.     -6.3  0.26   2.61
0.25    1.20  233.   10.1  302.0    2.0
 12 01 01   1 16   33.3  0.243  1.125  0.005 1548.  288.    -39.2  0.26   2.61
0.33    1.91  229.   10.1  298.1    2.0
 12 01 01   1 17   -9.1  0.141 -9.000 -9.000 -999.  132.     28.3  0.26   2.61
0.60    1.37  212.   10.1  294.2    2.0
 12 01 01   1 18   -4.3  0.094 -9.000 -9.000 -999.   69.     17.5  0.26   2.61
1.00    0.91  190.   10.1  292.0    2.0
 12 01 01   1 19   -2.8  0.079 -9.000 -9.000 -999.   54.     16.3  0.26   2.61
1.00    0.70  302.   10.1  289.2    2.0
 12 01 01   1 20   -4.0  0.091 -9.000 -9.000 -999.   65.     17.0  0.26   2.61
1.00    0.87  338.   10.1  288.1    2.0
 12 01 01   1 21   -6.3  0.113 -9.000 -9.000 -999.   91.     20.5  0.26   2.61
1.00    1.11  304.   10.1  287.0    2.0
 12 01 01   1 22   -3.1  0.082 -9.000 -9.000 -999.   57.     16.3  0.26   2.61
1.00    0.75   76.   10.1  285.4    2.0
 12 01 01   1 23   -2.4  0.076 -9.000 -9.000 -999.   50.     16.7  0.26   2.61
1.00    0.62  306.   10.1  284.9    2.0
 12 01 01   1 24   -3.6  0.087 -9.000 -9.000 -999.   62.     16.6  0.26   2.61
1.00    0.82  318.   10.1  283.8    2.0
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399370.29	3748667.14	0.07843	399405.29	3748667.14	0.09382
399440.29	3748667.14	0.11458	399615.29	3748667.14	0.58842
399650.29	3748667.14	1.20787	399370.29	3748702.14	0.07990
399405.29	3748702.14	0.09603	399440.29	3748702.14	0.11799
399615.29	3748702.14	0.66008	399650.29	3748702.14	1.37993
399370.29	3748737.14	0.07999	399405.29	3748737.14	0.09621
399440.29	3748737.14	0.11837	399615.29	3748737.14	0.67492

399650.29 3748737.14 1.41971 399370.29
3748772.14 0.07865
399405.29 3748772.14 0.09432 399440.29
3748772.14 0.11559
399615.29 3748772.14 0.63112 399650.29
3748772.14 1.34796
399370.29 3748807.14 0.07603 399405.29
3748807.14 0.09059
399440.29 3748807.14 0.11006 399615.29
3748807.14 0.52445
399650.29 3748807.14 1.04195 399370.29
3748842.14 0.07238
399405.29 3748842.14 0.08544 399440.29
3748842.14 0.10252
399370.29 3748877.14 0.06803 399405.29
3748877.14 0.07942
399440.29 3748877.14 0.09391 399417.99
3749014.56 0.05750
399440.99 3749014.56 0.06180 399417.99
3749049.56 0.05197
399440.99 3749049.56 0.05541 399463.99
3749049.56 0.05908
399486.99 3749049.56 0.06295 399509.99
3749049.56 0.06701
399532.99 3749049.56 0.07124 399555.99
3749049.56 0.07556
399578.99 3749049.56 0.07991 399601.99
3749049.56 0.08418
399624.99 3749049.56 0.08827 399647.99
3749049.56 0.09202
399670.99 3749049.56 0.09535 399693.99
3749049.56 0.09804
399716.99 3749049.56 0.09991 399739.99
3749049.56 0.10078
399762.99 3749049.56 0.10053 399785.99
3749049.56 0.09912
399808.99 3749049.56 0.09662 399831.99
3749049.56 0.09319
399854.99 3749049.56 0.08902 399877.99
3749049.56 0.08434
399302.99 3749084.56 0.03539 399325.99
3749084.56 0.03742
399348.99 3749084.56 0.03960 399371.99
3749084.56 0.04192
399394.99 3749084.56 0.04438 399417.99
3749084.56 0.04697
399440.99 3749084.56 0.04973 399463.99
3749084.56 0.05261
399486.99 3749084.56 0.05562 399509.99

3749084.56 0.05872
399532.99 3749084.56 0.06189 399555.99
3749084.56 0.06509
399578.99 3749084.56 0.06827 399624.99
3749084.56 0.07428
399647.99 3749084.56 0.07693 399670.99
3749084.56 0.07928
399693.99 3749084.56 0.08119 399716.99
3749084.56 0.08256
399739.99 3749084.56 0.08328 399762.99
3749084.56 0.08330
399785.99 3749084.56 0.08257 399808.99
3749084.56 0.08110
399831.99 3749084.56 0.07895 399854.99
3749084.56 0.07621
399877.99 3749084.56 0.07302 400084.99
3749084.56 0.04222

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- -
399302.99 3749119.56 0.03290 399325.99
3749119.56 0.03463
399348.99 3749119.56 0.03646 399371.99

3749119.56 0.03840
399394.99 3749119.56 0.04044 399417.99
3749119.56 0.04258
399440.99 3749119.56 0.04479 399463.99
3749119.56 0.04708
399486.99 3749119.56 0.04944 399509.99
3749119.56 0.05185
399532.99 3749119.56 0.05428 399555.99
3749119.56 0.05669
399578.99 3749119.56 0.05906 399624.99
3749119.56 0.06348
399647.99 3749119.56 0.06541 399670.99
3749119.56 0.06711
399693.99 3749119.56 0.06852 399716.99
3749119.56 0.06956
399739.99 3749119.56 0.07016 399762.99
3749119.56 0.07029
399785.99 3749119.56 0.06992 399808.99
3749119.56 0.06905
399831.99 3749119.56 0.06767 399854.99
3749119.56 0.06584
399877.99 3749119.56 0.06364 400038.99
3749119.56 0.04441
400061.99 3749119.56 0.04185 400084.99
3749119.56 0.03943
399302.99 3749154.56 0.03058 399325.99
3749154.56 0.03206
399348.99 3749154.56 0.03361 399371.99
3749154.56 0.03523
399394.99 3749154.56 0.03692 399417.99
3749154.56 0.03867
399440.99 3749154.56 0.04047 399463.99
3749154.56 0.04231
399486.99 3749154.56 0.04418 399509.99
3749154.56 0.04608
399532.99 3749154.56 0.04797 399555.99
3749154.56 0.04983
399578.99 3749154.56 0.05165 399624.99
3749154.56 0.05501
399647.99 3749154.56 0.05647 399670.99
3749154.56 0.05775
399693.99 3749154.56 0.05881 399716.99
3749154.56 0.05960
399739.99 3749154.56 0.06010 399762.99
3749154.56 0.06027
399785.99 3749154.56 0.06009 399808.99
3749154.56 0.05954
399831.99 3749154.56 0.05864 399854.99
3749154.56 0.05740

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         399877.99    3749154.56        0.05586                        399923.99
3749154.56        0.05207
         399946.99    3749154.56        0.04993                        399969.99
3749154.56        0.04770
         399992.99    3749154.56        0.04544                        400015.99
3749154.56        0.04319
         400038.99    3749154.56        0.04099                        400061.99
3749154.56        0.03885
         400084.99    3749154.56        0.03679                        399302.99
3749189.56        0.02845
         399325.99    3749189.56        0.02971                        399348.99
3749189.56        0.03102
         399371.99    3749189.56        0.03238                        399394.99
3749189.56        0.03379
         399417.99    3749189.56        0.03523                        399440.99
3749189.56        0.03670
         399463.99    3749189.56        0.03819                        399486.99
3749189.56        0.03969
         399509.99    3749189.56        0.04119                        399532.99
3749189.56        0.04267
         399555.99    3749189.56        0.04414                        399578.99
3749189.56        0.04557
         399624.99    3749189.56        0.04815                        399647.99
3749189.56        0.04927
         399670.99    3749189.56        0.05026                        399693.99
3749189.56        0.05108
         399716.99    3749189.56        0.05170                        399739.99
3749189.56        0.05215
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                   PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399762.99	3749189.56	0.05232	399785.99	3749189.56	0.05224
399808.99	3749189.56	0.05191	399831.99	3749189.56	0.05131
399854.99	3749189.56	0.05045	399877.99	3749189.56	0.04936
400015.99	3749189.56	0.03963	400038.99	3749189.56	0.03782
400061.99	3749189.56	0.03604	400084.99	3749189.56	0.03431
399302.99	3749224.56	0.02649	399325.99	3749224.56	0.02757
399348.99	3749224.56	0.02868	399371.99	3749224.56	0.02983
399394.99	3749224.56	0.03101	399417.99	3749224.56	0.03220
399440.99	3749224.56	0.03341	399463.99	3749224.56	0.03463
399486.99	3749224.56	0.03585	399509.99	3749224.56	0.03705
399532.99	3749224.56	0.03824	399555.99	3749224.56	0.03939
399578.99	3749224.56	0.04053	399624.99	3749224.56	0.04258
399647.99	3749224.56	0.04346	399670.99	3749224.56	0.04423
399693.99	3749224.56	0.04488	399716.99	3749224.56	0.04537
399739.99	3749224.56	0.04573	399762.99	3749224.56	0.04591
399785.99	3749224.56	0.04590	399808.99	3749224.56	0.04569
399831.99	3749224.56	0.04529	399854.99	3749224.56	0.04469
399877.99	3749224.56	0.04391	400015.99	3749224.56	0.03639
400038.99	3749224.56	0.03491	400061.99	3749224.56	0.03344
400084.99	3749224.56	0.03198	400112.30	3748645.81	0.05898
400147.30	3748645.81	0.05152	400182.30		

```
3748645.81        0.04538
         400217.30    3748645.81        0.04024                        400252.30
3748645.81        0.03600
         400287.30    3748645.81        0.03244                        400322.30
3748645.81        0.02942
         400357.30    3748645.81        0.02682                        400392.30
3748645.81        0.02457
         400112.30    3748680.81        0.06012                        400147.30
3748680.81        0.05232
         400182.30    3748680.81        0.04600                        400217.30
3748680.81        0.04079
         400252.30    3748680.81        0.03645                        400287.30
3748680.81        0.03280
         400322.30    3748680.81        0.02971                        400357.30
3748680.81        0.02706
         400392.30    3748680.81        0.02477                        400112.30
3748715.81        0.06063
         400147.30    3748715.81        0.05268                        400182.30
3748715.81        0.04627
         400217.30    3748715.81        0.04100                        400252.30
3748715.81        0.03662
         400287.30    3748715.81        0.03294                        400322.30
3748715.81        0.02982
         400357.30    3748715.81        0.02714                        400392.30
3748715.81        0.02483
         400112.30    3748750.81        0.06039                        400147.30
3748750.81        0.05248
         400182.30    3748750.81        0.04610                        400217.30
3748750.81        0.04086
         400252.30    3748750.81        0.03651                        400287.30
3748750.81        0.03285
         400322.30    3748750.81        0.02974                        400357.30
3748750.81        0.02708
         400392.30    3748750.81        0.02478                        400112.30
3748785.81        0.05943
         400147.30    3748785.81        0.05174                        400182.30
3748785.81        0.04552
         400217.30    3748785.81        0.04040                        400252.30
3748785.81        0.03613
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:49:26

                                PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
```

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
400287.30	3748785.81	0.03254	400322.30	3748785.81	0.02949
400357.30	3748785.81	0.02686	400392.30	3748785.81	0.02459
400112.30	3748820.81	0.05785	400147.30	3748820.81	0.05052
400182.30	3748820.81	0.04455	400217.30	3748820.81	0.03963
400252.30	3748820.81	0.03551	400287.30	3748820.81	0.03203
400322.30	3748820.81	0.02907	400357.30	3748820.81	0.02652
400392.30	3748820.81	0.02430	400112.30	3748855.81	0.05578
400147.30	3748855.81	0.04892	400182.30	3748855.81	0.04329
400217.30	3748855.81	0.03862	400252.30	3748855.81	0.03470
400287.30	3748855.81	0.03137	400322.30	3748855.81	0.02852
400357.30	3748855.81	0.02606	400392.30	3748855.81	0.02391
400112.30	3748890.81	0.05340	400147.30	3748890.81	0.04706
400182.30	3748890.81	0.04181	400217.30	3748890.81	0.03743
400252.30	3748890.81	0.03373	400287.30	3748890.81	0.03057
400322.30	3748890.81	0.02786	400357.30	3748890.81	0.02550

400392.30 3748890.81 0.02344 400112.30
3748925.81 0.05083
400147.30 3748925.81 0.04503 400182.30
3748925.81 0.04019
400217.30 3748925.81 0.03611 400252.30
3748925.81 0.03265
400287.30 3748925.81 0.02968 400322.30
3748925.81 0.02710
400357.30 3748925.81 0.02487 400392.30
3748925.81 0.02291
399467.96 3748222.35 0.03355 399502.96
3748222.35 0.03510
399537.96 3748222.35 0.03655 399572.96
3748222.35 0.03783
399607.96 3748222.35 0.03888 399642.96
3748222.35 0.03966
399677.96 3748222.35 0.04012 399712.96
3748222.35 0.04025
399747.96 3748222.35 0.04003 399782.96
3748222.35 0.03947
399817.96 3748222.35 0.03862 399852.96
3748222.35 0.03750
399887.96 3748222.35 0.03615 399922.96
3748222.35 0.03468
399957.96 3748222.35 0.03312 399992.96
3748222.35 0.03151
400027.96 3748222.35 0.02989 400062.96
3748222.35 0.02829
400097.96 3748222.35 0.02674 400132.96
3748222.35 0.02525
400167.96 3748222.35 0.02383 399467.96
3748257.35 0.03710
399502.96 3748257.35 0.03906 399537.96
3748257.35 0.04090
399572.96 3748257.35 0.04254 399607.96
3748257.35 0.04391
399642.96 3748257.35 0.04494 399677.96
3748257.35 0.04555
399712.96 3748257.35 0.04572 399747.96
3748257.35 0.04542
399782.96 3748257.35 0.04469 399817.96
3748257.35 0.04355
399852.96 3748257.35 0.04211 399887.96
3748257.35 0.04039
399922.96 3748257.35 0.03853 399957.96
3748257.35 0.03657
399992.96 3748257.35 0.03459 400027.96
3748257.35 0.03263
400062.96 3748257.35 0.03071 400097.96

3748257.35 0.02887

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
400132.96	3748257.35	0.02712	400167.96	3748257.35	0.02548
399467.96	3748292.35	0.04123	399502.96	3748292.35	0.04370
399537.96	3748292.35	0.04607	399572.96	3748292.35	0.04823
399607.96	3748292.35	0.05006	399642.96	3748292.35	0.05145
399677.96	3748292.35	0.05228	399712.96	3748292.35	0.05249
399747.96	3748292.35	0.05210	399782.96	3748292.35	0.05111
399817.96	3748292.35	0.04960	399852.96	3748292.35	0.04767
399887.96	3748292.35	0.04543	399922.96	3748292.35	0.04303
399957.96	3748292.35	0.04057	399992.96	3748292.35	0.03811
400027.96	3748292.35	0.03570	400062.96		

3748292.35 0.03339
400097.96 3748292.35 0.03121 400132.96
3748292.35 0.02916
400167.96 3748292.35 0.02725 399467.96
3748327.35 0.04603
399502.96 3748327.35 0.04921 399537.96
3748327.35 0.05232
399572.96 3748327.35 0.05520 399607.96
3748327.35 0.05768
399642.96 3748327.35 0.05960 399677.96
3748327.35 0.06078
399712.96 3748327.35 0.06107 399747.96
3748327.35 0.06052
399782.96 3748327.35 0.05913 399817.96
3748327.35 0.05706
399852.96 3748327.35 0.05445 399887.96
3748327.35 0.05148
399922.96 3748327.35 0.04836 399957.96
3748327.35 0.04521
399992.96 3748327.35 0.04212 400027.96
3748327.35 0.03917
400062.96 3748327.35 0.03637 400097.96
3748327.35 0.03377
400132.96 3748327.35 0.03136 400167.96
3748327.35 0.02915
399467.96 3748362.35 0.05165 399502.96
3748362.35 0.05578
399537.96 3748362.35 0.05991 399572.96
3748362.35 0.06385
399607.96 3748362.35 0.06732 399642.96
3748362.35 0.07005
399677.96 3748362.35 0.07176 399712.96
3748362.35 0.07217
399747.96 3748362.35 0.07138 399782.96
3748362.35 0.06938
399817.96 3748362.35 0.06644 399852.96
3748362.35 0.06283
399887.96 3748362.35 0.05881 399922.96
3748362.35 0.05467
399957.96 3748362.35 0.05061 399992.96
3748362.35 0.04672
400027.96 3748362.35 0.04306 400062.96
3748362.35 0.03967
400097.96 3748362.35 0.03657 400132.96
3748362.35 0.03374
400167.96 3748362.35 0.03117 399467.96
3748397.35 0.05822
399502.96 3748397.35 0.06366 399537.96
3748397.35 0.06926

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         399572.96    3748397.35        0.07476                      399607.96
3748397.35        0.07976
         399642.96    3748397.35        0.08377                      399677.96
3748397.35        0.08634
         399712.96    3748397.35        0.08700                      399747.96
3748397.35        0.08579
         399782.96    3748397.35        0.08280                      399817.96
3748397.35        0.07847
         399852.96    3748397.35        0.07331                      399887.96
3748397.35        0.06777
         399922.96    3748397.35        0.06223                      399957.96
3748397.35        0.05692
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:49:26

                                   PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399992.96    3748397.35        0.05197                      400027.96
3748397.35        0.04743
         400062.96    3748397.35        0.04331                      400097.96
3748397.35        0.03961
         400132.96    3748397.35        0.03629                      400167.96
3748397.35        0.03332
         399467.96    3748432.35        0.06590                      399502.96
3748432.35        0.07312
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399537.96 3748432.35 0.08084 399572.96
3748432.35 0.08873
399607.96 3748432.35 0.09618 399642.96
3748432.35 0.10239
399677.96 3748432.35 0.10648 399712.96
3748432.35 0.10761
399747.96 3748432.35 0.10560 399782.96
3748432.35 0.10089
399817.96 3748432.35 0.09428 399852.96
3748432.35 0.08666
399887.96 3748432.35 0.07881 399922.96
3748432.35 0.07127
399957.96 3748432.35 0.06429 399992.96
3748432.35 0.05794
400027.96 3748432.35 0.05229 400062.96
3748432.35 0.04728
400097.96 3748432.35 0.04286 400132.96
3748432.35 0.03897
400167.96 3748432.35 0.03554 399467.96
3748467.35 0.07480
399502.96 3748467.35 0.08449 399537.96
3748467.35 0.09528
399572.96 3748467.35 0.10688 399607.96
3748467.35 0.11846
399642.96 3748467.35 0.12863 399677.96
3748467.35 0.13562
399712.96 3748467.35 0.13757 399747.96
3748467.35 0.13413
399782.96 3748467.35 0.12617 399817.96
3748467.35 0.11548
399852.96 3748467.35 0.10387 399887.96
3748467.35 0.09248
399922.96 3748467.35 0.08207 399957.96
3748467.35 0.07278
399992.96 3748467.35 0.06465 400027.96
3748467.35 0.05762
400062.96 3748467.35 0.05154 400097.96
3748467.35 0.04630
400132.96 3748467.35 0.04176 400167.96
3748467.35 0.03782
399467.96 3748502.35 0.08499 399537.96
3748502.35 0.11328
399572.96 3748502.35 0.13074 399607.96
3748502.35 0.14953
399642.96 3748502.35 0.16741 399677.96
3748502.35 0.18041
399712.96 3748502.35 0.18430 399747.96
3748502.35 0.17775
400062.96 3748502.35 0.05603 400097.96

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3748502.35        0.04985
         400132.96    3748502.35        0.04460                        400167.96
3748502.35        0.04011
         399467.96    3748537.35        0.09635                        399537.96
3748537.35        0.13553
         399572.96    3748537.35        0.16241                        399607.96
3748537.35        0.19441
         399642.96    3748537.35        0.22877                        399677.96
3748537.35        0.25710
         399712.96    3748537.35        0.26657                        399747.96
3748537.35        0.25154
         400062.96    3748537.35        0.06063                        400097.96
3748537.35        0.05342
         400132.96    3748537.35        0.04741                        400167.96
3748537.35        0.04235
         399467.96    3748572.35        0.10861                        399747.96
3748572.35        0.39336
         400062.96    3748572.35        0.06526                        400097.96
3748572.35        0.05699
         400132.96    3748572.35        0.05021                        400167.96
3748572.35        0.04454
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:49:26

                                   PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -
399370.29 3748667.14 0.28223 (15042107) 399405.29
3748667.14 0.33376 (15042107)
399440.29 3748667.14 0.39945 (15042107) 399615.29
3748667.14 1.62662 (15042107)
399650.29 3748667.14 2.88253 (15042107) 399370.29
3748702.14 0.30754 (13121916)
399405.29 3748702.14 0.36259 (13121916) 399440.29
3748702.14 0.43802 (15042107)
399615.29 3748702.14 1.84844 (15042107) 399650.29
3748702.14 3.18217 (13052506)
399370.29 3748737.14 0.37289 (13121916) 399405.29
3748737.14 0.43720 (13121916)
399440.29 3748737.14 0.51231 (13121916) 399615.29
3748737.14 1.90476 (13052506)
399650.29 3748737.14 3.23389 (13052506) 399370.29
3748772.14 0.39563 (13121916)
399405.29 3748772.14 0.45582 (13121916) 399440.29
3748772.14 0.52607 (13121916)
399615.29 3748772.14 1.93632 (13052506) 399650.29
3748772.14 3.24994 (13052506)
399370.29 3748807.14 0.39070 (13052506) 399405.29
3748807.14 0.46932 (13052506)
399440.29 3748807.14 0.56295 (13052506) 399615.29
3748807.14 1.86114 (13052506)
399650.29 3748807.14 3.24437 (13052506) 399370.29
3748842.14 0.41753 (13052506)
399405.29 3748842.14 0.48076 (13052506) 399440.29
3748842.14 0.55203 (13052506)
399370.29 3748877.14 0.39151 (13052506) 399405.29
3748877.14 0.42619 (13052506)
399440.29 3748877.14 0.46016 (13052506) 399417.99
3749014.56 0.16145 (12052323)
399440.99 3749014.56 0.17529 (14041208) 399417.99
3749049.56 0.14921 (15091503)
399440.99 3749049.56 0.15821 (14041208) 399463.99
3749049.56 0.18412 (13052507)
399486.99 3749049.56 0.20922 (13052507) 399509.99
3749049.56 0.22778 (13052507)
399532.99 3749049.56 0.23601 (13052507) 399555.99
3749049.56 0.26264 (14021017)
399578.99 3749049.56 0.30840 (16090407) 399601.99
3749049.56 0.34026 (16090407)
399624.99 3749049.56 0.35892 (13042418) 399647.99
3749049.56 0.41571 (13042418)
399670.99 3749049.56 0.43103 (13042418) 399693.99
3749049.56 0.47576 (16121116)
399716.99 3749049.56 0.48884 (16121116) 399739.99
3749049.56 0.44648 (16121116)

```
        399762.99   3749049.56        0.48642  (14041207)                399785.99
3749049.56        0.55395  (14041207)
        399808.99   3749049.56        0.56671  (14041207)                399831.99
3749049.56        0.52823  (14041207)
        399854.99   3749049.56        0.45175  (14041207)                399877.99
3749049.56        0.42263  (14090818)
        399302.99   3749084.56        0.10652  (13050524)                399325.99
3749084.56        0.11181  (12060823)
        399348.99   3749084.56        0.11748  (12052323)                399371.99
3749084.56        0.12384  (15091503)
        399394.99   3749084.56        0.13063  (15091503)                399417.99
3749084.56        0.13674  (15091503)
        399440.99   3749084.56        0.15702  (13052507)                399463.99
3749084.56        0.17666  (13052507)
        399486.99   3749084.56        0.19120  (13052507)                399509.99
3749084.56        0.19780  (13052507)
        399532.99   3749084.56        0.21748  (14021017)                399555.99
3749084.56        0.24918  (16090407)
        399578.99   3749084.56        0.28126  (16090407)                399624.99
3749084.56        0.31859  (13042418)
        399647.99   3749084.56        0.35535  (13042418)                399670.99
3749084.56        0.35721  (13042418)
        399693.99   3749084.56        0.39644  (16121116)                399716.99
3749084.56        0.40713  (16121116)
        399739.99   3749084.56        0.38019  (16121116)                399762.99
3749084.56        0.37506  (14041207)
        399785.99   3749084.56        0.44350  (14041207)                399808.99
3749084.56        0.47680  (14041207)
        399831.99   3749084.56        0.46871  (14041207)                399854.99
3749084.56        0.42271  (14041207)
        399877.99   3749084.56        0.35502  (14041207)                400084.99
3749084.56        0.24661  (12020617)
```



```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
```

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399302.99	3749119.56	0.10033	(12060823)	399325.99	3749119.56	0.10470	(12052323)
399348.99	3749119.56	0.11029	(15091503)	399371.99	3749119.56	0.11549	(15091503)
399394.99	3749119.56	0.12047	(15062823)	399417.99	3749119.56	0.13419	(13052507)
399440.99	3749119.56	0.14975	(13052507)	399463.99	3749119.56	0.16134	(13052507)
399486.99	3749119.56	0.16655	(13052507)	399509.99	3749119.56	0.17919	(14021017)
399532.99	3749119.56	0.20089	(14021017)	399555.99	3749119.56	0.23190	(16090407)
399578.99	3749119.56	0.24954	(16090407)	399624.99	3749119.56	0.28534	(13042418)
399647.99	3749119.56	0.31007	(13042418)	399670.99	3749119.56	0.30696	(13042418)
399693.99	3749119.56	0.34125	(16121116)	399716.99	3749119.56	0.35115	(16121116)
399739.99	3749119.56	0.33098	(16121116)	399762.99	3749119.56	0.29249	(14041207)
399785.99	3749119.56	0.35740	(14041207)	399808.99	3749119.56	0.39840	(14041207)
399831.99	3749119.56	0.40818	(14041207)	399854.99	3749119.56	0.38751	(14041207)
399877.99	3749119.56	0.34179	(14041207)	400038.99	3749119.56	0.24496	(12020617)
400061.99	3749119.56	0.24093	(12020617)	400084.99	3749119.56	0.23202	(12020617)
399302.99	3749154.56	0.09457	(15091503)	399325.99	3749154.56	0.09898	(15091503)
399348.99	3749154.56	0.10301	(15091503)	399371.99	3749154.56	0.10725	(15062823)
399394.99	3749154.56	0.11669	(13052507)	399417.99	3749154.56	0.12900	(13052507)
399440.99	3749154.56	0.13795	(13052507)	399463.99	3749154.56	0.14240	(13052507)
399486.99	3749154.56	0.15048	(14021017)	399509.99			

```
3749154.56        0.16991  (14021017)
        399532.99   3749154.56        0.19143  (16090407)                399555.99
3749154.56        0.21191  (16090407)
        399578.99   3749154.56        0.21796  (16090407)                399624.99
3749154.56        0.25180  (13042418)
        399647.99   3749154.56        0.26420  (13042418)                399670.99
3749154.56        0.26259  (16121116)
        399693.99   3749154.56        0.29118  (16121116)                399716.99
3749154.56        0.30084  (16121116)
        399739.99   3749154.56        0.28560  (16121116)                399762.99
3749154.56        0.25060  (16121116)
        399785.99   3749154.56        0.28614  (14041207)                399808.99
3749154.56        0.32898  (14041207)
        399831.99   3749154.56        0.34999  (14041207)                399854.99
3749154.56        0.34648  (14041207)
        399877.99   3749154.56        0.32038  (14041207)                399923.99
3749154.56        0.25240  (14090818)
        399946.99   3749154.56        0.26296  (14090818)                399969.99
3749154.56        0.25947  (14090818)
        399992.99   3749154.56        0.24659  (14090818)                400015.99
3749154.56        0.22712  (14090818)
        400038.99   3749154.56        0.20722  (12020617)                400061.99
3749154.56        0.21012  (12020617)
        400084.99   3749154.56        0.20895  (12020617)                399302.99
3749189.56        0.08944  (15091503)
        399325.99   3749189.56        0.09260  (15091503)                399348.99
3749189.56        0.09629  (15062823)
        399371.99   3749189.56        0.10235  (13052507)                399394.99
3749189.56        0.11202  (13052507)
        399417.99   3749189.56        0.11949  (13052507)                399440.99
3749189.56        0.12328  (13052507)
        399463.99   3749189.56        0.12718  (14021017)                399486.99
3749189.56        0.14554  (14021017)
        399509.99   3749189.56        0.15999  (16090407)                399532.99
3749189.56        0.18168  (16090407)
        399555.99   3749189.56        0.19330  (16090407)                399578.99
3749189.56        0.19095  (16090407)
        399624.99   3749189.56        0.23010  (13042418)                399647.99
3749189.56        0.23769  (13042418)
        399670.99   3749189.56        0.23450  (16121116)                399693.99
3749189.56        0.25925  (16121116)
        399716.99   3749189.56        0.26699  (16121116)                399739.99
3749189.56        0.25231  (16121116)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399762.99	3749189.56	0.22460	(16121116)	399785.99	3749189.56	0.23145	(14041207)
399808.99	3749189.56	0.27284	(14041207)	399831.99	3749189.56	0.29914	(14041207)
399854.99	3749189.56	0.30703	(14041207)	399877.99	3749189.56	0.29512	(14041207)
400015.99	3749189.56	0.21719	(14090818)	400038.99	3749189.56	0.20132	(14090818)
400061.99	3749189.56	0.18098	(14090818)	400084.99	3749189.56	0.18220	(12020617)
399302.99	3749224.56	0.08380	(15091503)	399325.99	3749224.56	0.08710	(15062823)
399348.99	3749224.56	0.09027	(15062823)	399371.99	3749224.56	0.09837	(13052507)
399394.99	3749224.56	0.10420	(13052507)	399417.99	3749224.56	0.10750	(13052507)
399440.99	3749224.56	0.10817	(14021017)	399463.99	3749224.56	0.12429	(14021017)
399486.99	3749224.56	0.13677	(14021017)	399509.99	3749224.56	0.15358	(16090407)
399532.99	3749224.56	0.16834	(16090407)	399555.99	3749224.56	0.17354	(16090407)
399578.99	3749224.56	0.16958	(13042418)	399624.99	3749224.56	0.20723	(13042418)
399647.99	3749224.56	0.21044	(13042418)	399670.99	3749224.56	0.20885	(16121116)

399693.99 3749224.56 0.22987 (16121116) 399716.99
3749224.56 0.23709 (16121116)
399739.99 3749224.56 0.22673 (16121116) 399762.99
3749224.56 0.20329 (16121116)
399785.99 3749224.56 0.19087 (12112916) 399808.99
3749224.56 0.22628 (14041207)
399831.99 3749224.56 0.25462 (14041207) 399854.99
3749224.56 0.26910 (14041207)
399877.99 3749224.56 0.26704 (14041207) 400015.99
3749224.56 0.20144 (14090818)
400038.99 3749224.56 0.19378 (14090818) 400061.99
3749224.56 0.18057 (14090818)
400084.99 3749224.56 0.16358 (14090818) 400112.30
3748645.81 0.27900 (13090518)
400147.30 3748645.81 0.24842 (13090518) 400182.30
3748645.81 0.22228 (13090518)
400217.30 3748645.81 0.19975 (13090518) 400252.30
3748645.81 0.18030 (13090518)
400287.30 3748645.81 0.16343 (13090518) 400322.30
3748645.81 0.14869 (13090518)
400357.30 3748645.81 0.13576 (13090518) 400392.30
3748645.81 0.12436 (13090518)
400112.30 3748680.81 0.28803 (16112016) 400147.30
3748680.81 0.25291 (16112016)
400182.30 3748680.81 0.22283 (16112016) 400217.30
3748680.81 0.19786 (16112016)
400252.30 3748680.81 0.17664 (16112016) 400287.30
3748680.81 0.15851 (16112016)
400322.30 3748680.81 0.14282 (16112016) 400357.30
3748680.81 0.12927 (16112016)
400392.30 3748680.81 0.11735 (16112016) 400112.30
3748715.81 0.27384 (16112016)
400147.30 3748715.81 0.23840 (16112016) 400182.30
3748715.81 0.20901 (16112016)
400217.30 3748715.81 0.18472 (16112016) 400252.30
3748715.81 0.16404 (16112016)
400287.30 3748715.81 0.14654 (16112016) 400322.30
3748715.81 0.13156 (16112016)
400357.30 3748715.81 0.11869 (16112016) 400392.30
3748715.81 0.10746 (16112016)
400112.30 3748750.81 0.23258 (16112016) 400147.30
3748750.81 0.20257 (16112016)
400182.30 3748750.81 0.17748 (16112016) 400217.30
3748750.81 0.15676 (16112016)
400252.30 3748750.81 0.13937 (16112016) 400287.30
3748750.81 0.12463 (16112016)
400322.30 3748750.81 0.11404 (12090218) 400357.30
3748750.81 0.10488 (12090218)
400392.30 3748750.81 0.09683 (12090218) 400112.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
  L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
  L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
  L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400287.30	3748785.81	0.11347	(12101617)	400322.30	3748785.81	0.10017	(12090218)
400357.30	3748785.81	0.09260	(12090218)	400392.30	3748785.81	0.08590	(12090218)
400112.30	3748820.81	0.24773	(12101617)	400147.30	3748820.81	0.21716	(12101617)
400182.30	3748820.81	0.19016	(12101617)	400217.30	3748820.81	0.16772	(12101617)
400252.30	3748820.81	0.14933	(12101617)	400287.30	3748820.81	0.13235	(12101617)
400322.30	3748820.81	0.11746	(12101617)	400357.30	3748820.81	0.10410	(12101617)
400392.30	3748820.81	0.09322	(12101617)	400112.30	3748855.81	0.24459	(12101617)
400147.30	3748855.81	0.21966	(12101617)	400182.30			

3748855.81 0.19667 (12101617)
400217.30 3748855.81 0.17672 (12101617) 400252.30
3748855.81 0.15934 (12101617)
400287.30 3748855.81 0.14359 (12101617) 400322.30
3748855.81 0.12875 (12101617)
400357.30 3748855.81 0.11561 (12101617) 400392.30
3748855.81 0.10455 (12101617)
400112.30 3748890.81 0.21943 (12101617) 400147.30
3748890.81 0.20361 (12101617)
400182.30 3748890.81 0.18785 (12101617) 400217.30
3748890.81 0.17274 (12101617)
400252.30 3748890.81 0.15806 (12101617) 400287.30
3748890.81 0.14457 (12101617)
400322.30 3748890.81 0.13202 (12101617) 400357.30
3748890.81 0.12076 (12101617)
400392.30 3748890.81 0.11070 (12101617) 400112.30
3748925.81 0.20202 (12121416)
400147.30 3748925.81 0.18690 (12121416) 400182.30
3748925.81 0.17155 (12121416)
400217.30 3748925.81 0.15660 (12101617) 400252.30
3748925.81 0.14735 (12101617)
400287.30 3748925.81 0.13763 (12101617) 400322.30
3748925.81 0.12851 (12101617)
400357.30 3748925.81 0.11948 (12101617) 400392.30
3748925.81 0.11135 (12101617)
399467.96 3748222.35 0.10164 (16122708) 399502.96
3748222.35 0.10477 (16122708)
399537.96 3748222.35 0.10690 (16122205) 399572.96
3748222.35 0.11419 (16122205)
399607.96 3748222.35 0.11811 (16121921) 399642.96
3748222.35 0.12056 (16121921)
399677.96 3748222.35 0.12416 (15050607) 399712.96
3748222.35 0.12137 (15050607)
399747.96 3748222.35 0.11501 (13041207) 399782.96
3748222.35 0.17586 (13041207)
399817.96 3748222.35 0.23135 (13041207) 399852.96
3748222.35 0.26485 (13041207)
399887.96 3748222.35 0.26707 (13041207) 399922.96
3748222.35 0.23976 (13041207)
399957.96 3748222.35 0.19392 (13041207) 399992.96
3748222.35 0.14287 (13041207)
400027.96 3748222.35 0.11627 (16020617) 400062.96
3748222.35 0.11773 (16020617)
400097.96 3748222.35 0.11392 (16020617) 400132.96
3748222.35 0.10603 (16020617)
400167.96 3748222.35 0.09543 (16020617) 399467.96
3748257.35 0.11068 (16122708)
399502.96 3748257.35 0.11576 (16122708) 399537.96
3748257.35 0.11806 (16122708)

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        399572.96   3748257.35        0.12541  (16122205)                399607.96
3748257.35        0.13116  (16122205)
        399642.96   3748257.35        0.13450  (16121921)                399677.96
3748257.35        0.14309  (15050607)
        399712.96   3748257.35        0.14014  (15050607)                399747.96
3748257.35        0.14531  (13041207)
        399782.96   3748257.35        0.21850  (13041207)                399817.96
3748257.35        0.27933  (13041207)
        399852.96   3748257.35        0.30736  (13041207)                399887.96
3748257.35        0.29579  (13041207)
        399922.96   3748257.35        0.25203  (13041207)                399957.96
3748257.35        0.19279  (13041207)
        399992.96   3748257.35        0.13404  (13041207)                400027.96
3748257.35        0.13441  (16020617)
        400062.96   3748257.35        0.13098  (16020617)                400097.96
3748257.35        0.12208  (16020617)
```



```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        400132.96   3748257.35        0.10968  (16020617)                400167.96
3748257.35        0.09540  (16020617)
        399467.96   3748292.35        0.12115  (15022318)                399502.96
3748292.35        0.12793  (16122708)
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399537.96 3748292.35 0.13249 (16122708) 399572.96 3748292.35 0.14241 (16121816)
399607.96 3748292.35 0.14744 (16121816) 399642.96 3748292.35 0.15452 (15050607)
399677.96 3748292.35 0.16643 (15050607) 399712.96 3748292.35 0.16347 (15050607)
399747.96 3748292.35 0.18550 (13041207) 399782.96 3748292.35 0.27317 (13041207)
399817.96 3748292.35 0.33707 (13041207) 399852.96 3748292.35 0.35434 (13041207)
399887.96 3748292.35 0.32299 (13041207) 399922.96 3748292.35 0.25932 (13041207)
399957.96 3748292.35 0.18632 (13041207) 399992.96 3748292.35 0.15472 (16020617)
400027.96 3748292.35 0.15200 (16020617) 400062.96 3748292.35 0.14205 (16020617)
400097.96 3748292.35 0.12728 (16020617) 400132.96 3748292.35 0.11010 (16020617)
400167.96 3748292.35 0.09266 (14030117) 399467.96 3748327.35 0.13454 (15012421)
399502.96 3748327.35 0.14135 (16122708) 399537.96 3748327.35 0.14912 (16122708)
399572.96 3748327.35 0.16179 (16121816) 399607.96 3748327.35 0.17275 (16121816)
399642.96 3748327.35 0.17909 (15050607) 399677.96 3748327.35 0.19557 (15050607)
399712.96 3748327.35 0.19283 (15050607) 399747.96 3748327.35 0.23962 (13041207)
399782.96 3748327.35 0.34375 (13041207) 399817.96 3748327.35 0.40640 (13041207)
399852.96 3748327.35 0.40439 (13041207) 399887.96 3748327.35 0.34612 (13041207)
399922.96 3748327.35 0.25965 (13041207) 399957.96 3748327.35 0.17968 (16020617)
399992.96 3748327.35 0.17846 (16020617) 400027.96 3748327.35 0.16725 (16020617)
400062.96 3748327.35 0.14947 (16020617) 400097.96 3748327.35 0.12837 (16020617)
400132.96 3748327.35 0.10770 (14030117) 400167.96 3748327.35 0.10571 (14030117)
399467.96 3748362.35 0.14890 (15012421) 399502.96 3748362.35 0.15787 (15012421)
399537.96 3748362.35 0.16811 (16122708) 399572.96 3748362.35 0.18351 (16121816)
399607.96 3748362.35 0.20350 (16121816) 399642.96 3748362.35 0.20952 (15050607)
399677.96 3748362.35 0.23289 (15050607) 399712.96 3748362.35 0.23070 (15050607)
399747.96 3748362.35 0.31369 (13041207) 399782.96

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3748362.35        0.43514  (13041207)
        399817.96   3748362.35        0.48814  (13041207)                399852.96
3748362.35        0.45489  (13041207)
        399887.96   3748362.35        0.36168  (13041207)                399922.96
3748362.35        0.25116  (13041207)
        399957.96   3748362.35        0.21222  (16020617)                399992.96
3748362.35        0.19975  (16020617)
        400027.96   3748362.35        0.17798  (16020617)                400062.96
3748362.35        0.15165  (16020617)
        400097.96   3748362.35        0.12656  (14030117)                400132.96
3748362.35        0.12275  (14030117)
        400167.96   3748362.35        0.11563  (14030117)                399467.96
3748397.35        0.16363  (15012421)
        399502.96   3748397.35        0.17819  (15012421)                399537.96
3748397.35        0.18975  (16122708)
        399572.96   3748397.35        0.20710  (16121816)                399607.96
3748397.35        0.24071  (16121816)
        399642.96   3748397.35        0.24862  (16121816)                399677.96
3748397.35        0.28215  (15050607)
        399712.96   3748397.35        0.28103  (15050607)                399747.96
3748397.35        0.41700  (13041207)
        399782.96   3748397.35        0.55374  (13041207)                399817.96
3748397.35        0.58202  (13041207)
        399852.96   3748397.35        0.50120  (13041207)                399887.96
3748397.35        0.36555  (13041207)
        399922.96   3748397.35        0.25620  (16020617)                399957.96
3748397.35        0.24261  (16020617)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399992.96	3748397.35	0.21536	(16020617)	400027.96	3748397.35	0.18172	(16020617)
400062.96	3748397.35	0.15065	(14030117)	400097.96	3748397.35	0.14401	(14030117)
400132.96	3748397.35	0.13916	(15122816)	400167.96	3748397.35	0.13939	(15122816)
399467.96	3748432.35	0.18305	(13122503)	399502.96	3748432.35	0.19971	(15012421)
399537.96	3748432.35	0.21795	(15012421)	399572.96	3748432.35	0.23595	(16122708)
399607.96	3748432.35	0.28551	(16121816)	399642.96	3748432.35	0.30931	(16121816)
399677.96	3748432.35	0.34888	(15050607)	399712.96	3748432.35	0.35017	(15050607)
399747.96	3748432.35	0.56419	(13041207)	399782.96	3748432.35	0.70724	(13041207)
399817.96	3748432.35	0.68454	(13041207)	399852.96	3748432.35	0.53563	(13041207)
399887.96	3748432.35	0.35345	(13041207)	399922.96	3748432.35	0.30095	(16020617)
399957.96	3748432.35	0.26589	(16020617)	399992.96	3748432.35	0.22165	(16020617)
400027.96	3748432.35	0.18209	(14030117)	400062.96	3748432.35	0.17093	(14030117)
400097.96	3748432.35	0.17055	(15122816)	400132.96	3748432.35	0.16714	(15122816)
400167.96	3748432.35	0.15982	(15122816)	399467.96	3748467.35	0.22133	(13112916)
399502.96	3748467.35	0.22559	(13122503)	399537.96	3748467.35	0.25090	(15012421)
399572.96	3748467.35	0.27480	(16122708)	399607.96	3748467.35	0.33834	(16121816)
399642.96	3748467.35	0.39070	(16121816)	399677.96	3748467.35	0.44328	(15050607)
399712.96	3748467.35	0.47500	(13041207)	399747.96	3748467.35	0.77910	(13041207)
399782.96	3748467.35	0.90365	(13041207)	399817.96	3748467.35	0.78725	(13041207)
399852.96	3748467.35	0.54822	(13041207)	399887.96	3748467.35	0.38378	(16020617)
399922.96	3748467.35	0.33695	(16020617)	399957.96	3748467.35	0.27638	(16020617)

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        399992.96   3748467.35        0.22416  (14030117)               400027.96
3748467.35        0.21407  (15122816)
        400062.96   3748467.35        0.21073  (15122816)               400097.96
3748467.35        0.20116  (15122816)
        400132.96   3748467.35        0.18751  (15122816)               400167.96
3748467.35        0.17176  (15122816)
        399467.96   3748502.35        0.31323  (13112916)               399537.96
3748502.35        0.28813  (13122503)
        399572.96   3748502.35        0.32812  (15012421)               399607.96
3748502.35        0.39752  (16121816)
        399642.96   3748502.35        0.50125  (16121816)               399677.96
3748502.35        0.58468  (15050607)
        399712.96   3748502.35        0.70611  (13041207)               399747.96
3748502.35        1.10186  (13041207)
        400062.96   3748502.35        0.24257  (15122816)               400097.96
3748502.35        0.21955  (15122816)
        400132.96   3748502.35        0.19526  (15122816)               400167.96
3748502.35        0.17131  (15122816)
        399467.96   3748537.35        0.40087  (13112916)               399537.96
3748537.35        0.43477  (13112916)
        399572.96   3748537.35        0.40476  (13112916)               399607.96
3748537.35        0.46662  (12061706)
        399642.96   3748537.35        0.64967  (16121816)               399677.96
3748537.35        0.80605  (15050607)
        399712.96   3748537.35        1.11279  (13041207)               399747.96
3748537.35        1.60304  (13041207)
        400062.96   3748537.35        0.25565  (15122816)               400097.96
3748537.35        0.22032  (15122816)
        400132.96   3748537.35        0.19590  (16050618)               400167.96
3748537.35        0.17872  (16050618)
        399467.96   3748572.35        0.45641  (13112916)               399747.96
3748572.35        2.41334  (13041207)
        400062.96   3748572.35        0.26635  (16050618)               400097.96
3748572.35        0.23722  (16050618)
        400132.96   3748572.35        0.21099  (16050618)               400167.96
3748572.35        0.18732  (16050618)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                  PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399370.29   3748667.14        0.17843  (16100408)               399405.29
3748667.14        0.20722  (16100408)
        399440.29   3748667.14        0.24429  (16100408)               399615.29
3748667.14        1.18357c (12010408)
        399650.29   3748667.14        2.41608c (12010408)              399370.29
3748702.14        0.18206  (16100408)
        399405.29   3748702.14        0.21306  (16100408)               399440.29
3748702.14        0.25363  (16100408)
        399615.29   3748702.14        1.32210c (12010408)              399650.29
3748702.14        2.75008c (12010408)
        399370.29   3748737.14        0.17659  (16100408)               399405.29
3748737.14        0.20685  (16100408)
        399440.29   3748737.14        0.24648  (16100408)               399615.29
3748737.14        1.34812c (12010408)
        399650.29   3748737.14        2.81936c (12010408)              399370.29
3748772.14        0.16359c (12010408)
        399405.29   3748772.14        0.19566c (12010408)              399440.29
3748772.14        0.23896c (12010408)
        399615.29   3748772.14        1.25842c (12010408)              399650.29
3748772.14        2.66804c (12010408)
        399370.29   3748807.14        0.16290  (15051308)               399405.29
3748807.14        0.19114  (15051308)
        399440.29   3748807.14        0.22845c (12010408)              399615.29
3748807.14        1.04776c (12010408)
        399650.29   3748807.14        2.05435c (12010408)              399370.29
3748842.14        0.15844  (16042808)
        399405.29   3748842.14        0.18234  (16042808)               399440.29
3748842.14        0.21390c (12010408)
        399370.29   3748877.14        0.14697  (16042808)               399405.29
3748877.14        0.16698c (12010408)
        399440.29   3748877.14        0.19693c (12010408)              399417.99
3749014.56        0.12235c (12010408)
        399440.99   3749014.56        0.13118c (12010408)              399417.99
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3749049.56        0.11058c (12010408)
        399440.99   3749049.56        0.11758c (12010408)                399463.99
3749049.56        0.12496c (12010408)
        399486.99   3749049.56        0.13265c (12010408)                399509.99
3749049.56        0.14056c (12010408)
        399532.99   3749049.56        0.14858c (12010408)                399555.99
3749049.56        0.15903  (16090408)
        399578.99   3749049.56        0.17401  (16090408)                399601.99
3749049.56        0.18456  (16090408)
        399624.99   3749049.56        0.18837  (16090408)                399647.99
3749049.56        0.19661  (16061124)
        399670.99   3749049.56        0.19743  (16061124)                399693.99
3749049.56        0.20159  (13101524)
        399716.99   3749049.56        0.20069  (13101524)                399739.99
3749049.56        0.19370  (13101524)
        399762.99   3749049.56        0.18692  (13102724)                399785.99
3749049.56        0.18448  (13102724)
        399808.99   3749049.56        0.17825  (13102724)                399831.99
3749049.56        0.16930c (14021224)
        399854.99   3749049.56        0.17177b (14090824)                399877.99
3749049.56        0.17508b (14090824)
        399302.99   3749084.56        0.07661  (14011324)                399325.99
3749084.56        0.08065  (14011324)
        399348.99   3749084.56        0.08486  (14011324)                399371.99
3749084.56        0.08959c (12010408)
        399394.99   3749084.56        0.09467c (12010408)                399417.99
3749084.56        0.10000c (12010408)
        399440.99   3749084.56        0.10557c (12010408)                399463.99
3749084.56        0.11133c (12010408)
        399486.99   3749084.56        0.11723c (12010408)                399509.99
3749084.56        0.12319c (12010408)
        399532.99   3749084.56        0.12966  (16090408)                399555.99
3749084.56        0.14224  (16090408)
        399578.99   3749084.56        0.15193  (16090408)                399624.99
3749084.56        0.16050  (16061124)
        399647.99   3749084.56        0.16601  (16061124)                399670.99
3749084.56        0.16474  (16061124)
        399693.99   3749084.56        0.16765  (13101524)                399716.99
3749084.56        0.16697  (13101524)
        399739.99   3749084.56        0.16242  (13101524)                399762.99
3749084.56        0.15755  (13102724)
        399785.99   3749084.56        0.15695  (13102724)                399808.99
3749084.56        0.15350  (13102724)
        399831.99   3749084.56        0.14765  (13102724)                399854.99
3749084.56        0.14000  (13102724)
        399877.99   3749084.56        0.14322b (14090824)                400084.99
3749084.56        0.10344c (12020624)
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*** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399302.99	3749119.56	0.07111	(14011324)	399325.99	3749119.56	0.07441	(14011324)
399348.99	3749119.56	0.07812c	(12010408)	399371.99	3749119.56	0.08212c	(12010408)
399394.99	3749119.56	0.08629c	(12010408)	399417.99	3749119.56	0.09061c	(12010408)
399440.99	3749119.56	0.09505c	(12010408)	399463.99	3749119.56	0.09958c	(12010408)
399486.99	3749119.56	0.10416c	(12010408)	399509.99	3749119.56	0.10870c	(12010408)
399532.99	3749119.56	0.11771	(16090408)	399555.99	3749119.56	0.12658	(16090408)
399578.99	3749119.56	0.13241	(16090408)	399624.99	3749119.56	0.13942	(16061124)
399647.99	3749119.56	0.14238	(16061124)	399670.99	3749119.56	0.14046	(13101524)
399693.99	3749119.56	0.14304	(13101524)	399716.99	3749119.56	0.14256	(13101524)
399739.99	3749119.56	0.13903	(13101524)	399762.99	3749119.56	0.13478	(13102724)
399785.99	3749119.56	0.13516	(13102724)	399808.99	3749119.56	0.13343	(13102724)

399831.99 3749119.56 0.12980 (13102724) 399854.99
3749119.56 0.12457 (13102724)
399877.99 3749119.56 0.11817 (13102724) 400038.99
3749119.56 0.10476c (12020624)
400061.99 3749119.56 0.10080c (12020624) 400084.99
3749119.56 0.09629c (12020624)
399302.99 3749154.56 0.06585 (14011324) 399325.99
3749154.56 0.06882c (12010408)
399348.99 3749154.56 0.07203c (12010408) 399371.99
3749154.56 0.07535c (12010408)
399394.99 3749154.56 0.07878c (12010408) 399417.99
3749154.56 0.08229c (12010408)
399440.99 3749154.56 0.08586c (12010408) 399463.99
3749154.56 0.08946c (12010408)
399486.99 3749154.56 0.09304c (12010408) 399509.99
3749154.56 0.09893 (16090408)
399532.99 3749154.56 0.10668 (16090408) 399555.99
3749154.56 0.11259 (16090408)
399578.99 3749154.56 0.11552 (16090408) 399624.99
3749154.56 0.12174 (16061124)
399647.99 3749154.56 0.12286 (16061124) 399670.99
3749154.56 0.12140 (16091224)
399693.99 3749154.56 0.12388 (16091224) 399716.99
3749154.56 0.12361 (16091224)
399739.99 3749154.56 0.12030 (16091224) 399762.99
3749154.56 0.11689 (13102724)
399785.99 3749154.56 0.11779 (13102724) 399808.99
3749154.56 0.11708 (13102724)
399831.99 3749154.56 0.11487 (13102724) 399854.99
3749154.56 0.11134 (13102724)
399877.99 3749154.56 0.10674 (13102724) 399923.99
3749154.56 0.10472b (14090824)
399946.99 3749154.56 0.10627b (14090824) 399969.99
3749154.56 0.10518b (14090824)
399992.99 3749154.56 0.10214b (14090824) 400015.99
3749154.56 0.09761b (14090824)
400038.99 3749154.56 0.09360c (12020624) 400061.99
3749154.56 0.09120c (12020624)
400084.99 3749154.56 0.08832c (12020624) 399302.99
3749189.56 0.06117c (12010408)
399325.99 3749189.56 0.06378c (12010408) 399348.99
3749189.56 0.06647c (12010408)
399371.99 3749189.56 0.06924c (12010408) 399394.99
3749189.56 0.07207c (12010408)
399417.99 3749189.56 0.07494c (12010408) 399440.99
3749189.56 0.07783c (12010408)
399463.99 3749189.56 0.08071c (12010408) 399486.99
3749189.56 0.08424 (16090408)
399509.99 3749189.56 0.09107 (16090408) 399532.99

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3749189.56        0.09681  (16090408)
        399555.99   3749189.56        0.10054  (16090408)                399578.99
3749189.56        0.10143  (16090408)
        399624.99   3749189.56        0.10779  (16061124)                399647.99
3749189.56        0.10792  (16061124)
        399670.99   3749189.56        0.10721  (16091224)                399693.99
3749189.56        0.10921  (16091224)
        399716.99   3749189.56        0.10895  (16091224)                399739.99
3749189.56        0.10618  (16091224)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399762.99   3749189.56        0.10258  (15042024)                399785.99
3749189.56        0.10357  (13102724)
        399808.99   3749189.56        0.10351  (13102724)                399831.99
3749189.56        0.10226  (13102724)
        399854.99   3749189.56        0.09990  (13102724)                399877.99
3749189.56        0.09663  (13102724)
        400015.99   3749189.56        0.08938b (14090824)                400038.99
3749189.56        0.08581b (14090824)
        400061.99   3749189.56        0.08190c (12020624)                400084.99
3749189.56        0.08020c (12020624)
        399302.99   3749224.56        0.05694c (12010408)                399325.99
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3749224.56        0.05916c (12010408)
        399348.99   3749224.56        0.06144c (12010408)                399371.99
3749224.56        0.06376c (12010408)
        399394.99   3749224.56        0.06610c (12010408)                399417.99
3749224.56        0.06846c (12010408)
        399440.99   3749224.56        0.07097  (13050508)                399463.99
3749224.56        0.07362  (13050508)
        399486.99   3749224.56        0.07827  (16090408)                399509.99
3749224.56        0.08355  (16090408)
        399532.99   3749224.56        0.08757  (16090408)                399555.99
3749224.56        0.08969  (16090408)
        399578.99   3749224.56        0.09034  (16061124)                399624.99
3749224.56        0.09578  (16061124)
        399647.99   3749224.56        0.09527  (16061124)                399670.99
3749224.56        0.09544  (16091224)
        399693.99   3749224.56        0.09705  (16091224)                399716.99
3749224.56        0.09684  (16091224)
        399739.99   3749224.56        0.09467  (16091224)                399762.99
3749224.56        0.09154  (15042024)
        399785.99   3749224.56        0.09183  (13102724)                399808.99
3749224.56        0.09218  (13102724)
        399831.99   3749224.56        0.09156  (13102724)                399854.99
3749224.56        0.09005  (13102724)
        399877.99   3749224.56        0.08775  (13102724)                400015.99
3749224.56        0.08082b (14090824)
        400038.99   3749224.56        0.07911b (14090824)                400061.99
3749224.56        0.07624b (14090824)
        400084.99   3749224.56        0.07249b (14090824)                400112.30
3748645.81        0.12385  (15121408)
        400147.30   3748645.81        0.11020  (15121408)                400182.30
3748645.81        0.09878  (15121408)
        400217.30   3748645.81        0.08911  (15121408)                400252.30
3748645.81        0.08088  (15121408)
        400287.30   3748645.81        0.07379  (15121408)                400322.30
3748645.81        0.06769  (15121408)
        400357.30   3748645.81        0.06232  (15121408)                400392.30
3748645.81        0.05764  (15121408)
        400112.30   3748680.81        0.12475  (15121408)                400147.30
3748680.81        0.11037  (15121408)
        400182.30   3748680.81        0.09849  (15121408)                400217.30
3748680.81        0.08855  (15121408)
        400252.30   3748680.81        0.08014  (15121408)                400287.30
3748680.81        0.07294  (15121408)
        400322.30   3748680.81        0.06676  (15121408)                400357.30
3748680.81        0.06135  (15121408)
        400392.30   3748680.81        0.05666  (15121408)                400112.30
3748715.81        0.12387  (15111524)
        400147.30   3748715.81        0.10941  (12041324)                400182.30
3748715.81        0.09744  (12041324)
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        400217.30   3748715.81        0.08759  (12041324)                400252.30
3748715.81        0.07913  (12041324)
        400287.30   3748715.81        0.07191  (12041324)                400322.30
3748715.81        0.06575  (12041324)
        400357.30   3748715.81        0.06037  (12041324)                400392.30
3748715.81        0.05569  (12041324)
        400112.30   3748750.81        0.12521  (12041324)                400147.30
3748750.81        0.11097  (12041324)
        400182.30   3748750.81        0.09876  (12041324)                400217.30
3748750.81        0.08886  (12041324)
        400252.30   3748750.81        0.08033  (12041324)                400287.30
3748750.81        0.07307  (12041324)
        400322.30   3748750.81        0.06683  (12041324)                400357.30
3748750.81        0.06139  (12041324)
        400392.30   3748750.81        0.05664  (12041324)                400112.30
3748785.81        0.12414  (12101624)
        400147.30   3748785.81        0.10812  (12101624)                400182.30
3748785.81        0.09581  (16031124)
        400217.30   3748785.81        0.08645  (12041324)                400252.30
3748785.81        0.07852  (12041324)
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:49:26

                                 PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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400287.30 3748785.81 0.07179 (12041324) 400322.30 3748785.81 0.06577 (12041324)
400357.30 3748785.81 0.06058 (12041324) 400392.30 3748785.81 0.05601 (12041324)
400112.30 3748820.81 0.12411 (12101624) 400147.30 3748820.81 0.10883 (12101624)
400182.30 3748820.81 0.09607 (12101624) 400217.30 3748820.81 0.08547 (12101624)
400252.30 3748820.81 0.07712 (16031124) 400287.30 3748820.81 0.07017 (16031124)
400322.30 3748820.81 0.06412 (16031124) 400357.30 3748820.81 0.05882 (16031124)
400392.30 3748820.81 0.05419 (16031124) 400112.30 3748855.81 0.12040 (12101624)
400147.30 3748855.81 0.10663 (12101624) 400182.30 3748855.81 0.09494 (12101624)
400217.30 3748855.81 0.08507 (12101624) 400252.30 3748855.81 0.07666 (12101624)
400287.30 3748855.81 0.06937 (12101624) 400322.30 3748855.81 0.06295 (16031124)
400357.30 3748855.81 0.05803 (16031124) 400392.30 3748855.81 0.05369 (16031124)
400112.30 3748890.81 0.11329 (12101624) 400147.30 3748890.81 0.10158 (12101624)
400182.30 3748890.81 0.09147 (12101624) 400217.30 3748890.81 0.08270 (12101624)
400252.30 3748890.81 0.07500 (12101624) 400287.30 3748890.81 0.06827 (12101624)
400322.30 3748890.81 0.06235 (12101624) 400357.30 3748890.81 0.05714 (12101624)
400392.30 3748890.81 0.05256 (12101624) 400112.30 3748925.81 0.10663 (12101724)
400147.30 3748925.81 0.09438 (12101624) 400182.30 3748925.81 0.08597 (12101624)
400217.30 3748925.81 0.07853 (12101624) 400252.30 3748925.81 0.07192 (12101624)
400287.30 3748925.81 0.06599 (12101624) 400322.30 3748925.81 0.06074 (12101624)
400357.30 3748925.81 0.05602 (12101624) 400392.30 3748925.81 0.05183 (12101624)
399467.96 3748222.35 0.07344c (12010408) 399502.96 3748222.35 0.07684c (12010408)
399537.96 3748222.35 0.08000c (12010408) 399572.96 3748222.35 0.08278c (12010408)
399607.96 3748222.35 0.08508c (12010408) 399642.96 3748222.35 0.08678c (12010408)
399677.96 3748222.35 0.08778c (12010408) 399712.96 3748222.35 0.08804c (12010408)
399747.96 3748222.35 0.08753c (12010408) 399782.96

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3748222.35        0.08629c (12010408)
        399817.96   3748222.35        0.08439c (12010408)                399852.96
3748222.35        0.08191c (12010408)
        399887.96   3748222.35        0.08008  (13041208)                399922.96
3748222.35        0.07572c (12010408)
        399957.96   3748222.35        0.07226c (12010408)                399992.96
3748222.35        0.06869c (12010408)
        400027.96   3748222.35        0.06511c (12010408)                400062.96
3748222.35        0.06156c (12010408)
        400097.96   3748222.35        0.05812c (12010408)                400132.96
3748222.35        0.05481c (12010408)
        400167.96   3748222.35        0.05165c (12010408)                399467.96
3748257.35        0.08108c (12010408)
        399502.96   3748257.35        0.08534c (12010408)                399537.96
3748257.35        0.08935c (12010408)
        399572.96   3748257.35        0.09293c (12010408)                399607.96
3748257.35        0.09592c (12010408)
        399642.96   3748257.35        0.09815c (12010408)                399677.96
3748257.35        0.09948c (12010408)
        399712.96   3748257.35        0.09982c (12010408)                399747.96
3748257.35        0.09915c (12010408)
        399782.96   3748257.35        0.09752c (12010408)                399817.96
3748257.35        0.09502c (12010408)
        399852.96   3748257.35        0.09277  (13041208)                399887.96
3748257.35        0.08907  (13041208)
        399922.96   3748257.35        0.08394c (12010408)                399957.96
3748257.35        0.07962c (12010408)
        399992.96   3748257.35        0.07523c (12010408)                400027.96
3748257.35        0.07087c (12010408)
        400062.96   3748257.35        0.06663c (12010408)                400097.96
3748257.35        0.06255c (12010408)
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                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
400132.96	3748257.35	0.05868c (12010408)	400167.96	3748257.35	0.05527 (14122524)
399467.96	3748292.35	0.08991c (12010408)	399502.96	3748292.35	0.09531c (12010408)
399537.96	3748292.35	0.10047c (12010408)	399572.96	3748292.35	0.10517c (12010408)
399607.96	3748292.35	0.10913c (12010408)	399642.96	3748292.35	0.11212c (12010408)
399677.96	3748292.35	0.11392c (12010408)	399712.96	3748292.35	0.11438c (12010408)
399747.96	3748292.35	0.11348c (12010408)	399782.96	3748292.35	0.11128c (12010408)
399817.96	3748292.35	0.10794c (12010408)	399852.96	3748292.35	0.10570 (13041208)
399887.96	3748292.35	0.09887 (13041208)	399922.96	3748292.35	0.09353c (12010408)
399957.96	3748292.35	0.08808c (12010408)	399992.96	3748292.35	0.08264c (12010408)
400027.96	3748292.35	0.07732c (12010408)	400062.96	3748292.35	0.07221c (12010408)
400097.96	3748292.35	0.06738c (12010408)	400132.96	3748292.35	0.06285c (12010408)
400167.96	3748292.35	0.06018 (12121824)	399467.96	3748327.35	0.10016c (12010408)
399502.96	3748327.35	0.10708c (12010408)	399537.96	3748327.35	0.11383c (12010408)
399572.96	3748327.35	0.12008c (12010408)	399607.96	3748327.35	0.12546c (12010408)
399642.96	3748327.35	0.12958c (12010408)	399677.96	3748327.35	0.13209c (12010408)
399712.96	3748327.35	0.13273c (12010408)	399747.96	3748327.35	0.13148c (12010408)
399782.96	3748327.35	0.12843c (12010408)	399817.96	3748327.35	0.12419 (13041208)
399852.96	3748327.35	0.12057 (13041208)	399887.96	3748327.35	0.11165c (12010408)
399922.96	3748327.35	0.10479c (12010408)	399957.96	3748327.35	0.09785c (12010408)

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        399992.96   3748327.35        0.09104c (12010408)                400027.96
3748327.35        0.08451c (12010408)
        400062.96   3748327.35        0.07835c (12010408)                400097.96
3748327.35        0.07262c (12010408)
        400132.96   3748327.35        0.06863  (12121824)                400167.96
3748327.35        0.06633  (12121824)
        399467.96   3748362.35        0.11206c (12010408)                399502.96
3748362.35        0.12104c (12010408)
        399537.96   3748362.35        0.13000c (12010408)                399572.96
3748362.35        0.13852c (12010408)
        399607.96   3748362.35        0.14601c (12010408)                399642.96
3748362.35        0.15187c (12010408)
        399677.96   3748362.35        0.15549c (12010408)                399712.96
3748362.35        0.15641c (12010408)
        399747.96   3748362.35        0.15461c (12010408)                399782.96
3748362.35        0.15024c (12010408)
        399817.96   3748362.35        0.14628  (13041208)                399852.96
3748362.35        0.13749  (13041208)
        399887.96   3748362.35        0.12711c (12010408)                399922.96
3748362.35        0.11806c (12010408)
        399957.96   3748362.35        0.10912c (12010408)                399992.96
3748362.35        0.10055c (12010408)
        400027.96   3748362.35        0.09250c (12010408)                400062.96
3748362.35        0.08505c (12010408)
        400097.96   3748362.35        0.07917  (12121824)                400132.96
3748362.35        0.07598  (12121824)
        400167.96   3748362.35        0.07220  (12121824)                399467.96
3748397.35        0.12589c (12010408)
        399502.96   3748397.35        0.13767c (12010408)                399537.96
3748397.35        0.14978c (12010408)
        399572.96   3748397.35        0.16164c (12010408)                399607.96
3748397.35        0.17239c (12010408)
        399642.96   3748397.35        0.18100c (12010408)                399677.96
3748397.35        0.18644c (12010408)
        399712.96   3748397.35        0.18787c (12010408)                399747.96
3748397.35        0.18515c (12010408)
        399782.96   3748397.35        0.17862c (12010408)                399817.96
3748397.35        0.17319  (13041208)
        399852.96   3748397.35        0.15794c (12010408)                399887.96
3748397.35        0.14586c (12010408)
        399922.96   3748397.35        0.13375c (12010408)                399957.96
3748397.35        0.12212c (12010408)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:49:26

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399992.96	3748397.35	0.11126c	(12010408)	400027.96	3748397.35	0.10132c	(12010408)
400062.96	3748397.35	0.09258	(12121824)	400097.96	3748397.35	0.08803	(12121824)
400132.96	3748397.35	0.08290	(12121824)	400167.96	3748397.35	0.07751	(12121824)
399467.96	3748432.35	0.14189c	(12010408)	399502.96	3748432.35	0.15749c	(12010408)
399537.96	3748432.35	0.17412c	(12010408)	399572.96	3748432.35	0.19105c	(12010408)
399607.96	3748432.35	0.20703c	(12010408)	399642.96	3748432.35	0.22029c	(12010408)
399677.96	3748432.35	0.22892c	(12010408)	399712.96	3748432.35	0.23127c	(12010408)
399747.96	3748432.35	0.22690c	(12010408)	399782.96	3748432.35	0.21709	(13041208)
399817.96	3748432.35	0.20596	(13041208)	399852.96	3748432.35	0.18576c	(12010408)
399887.96	3748432.35	0.16871c	(12010408)	399922.96	3748432.35	0.15227c	(12010408)
399957.96	3748432.35	0.13703c	(12010408)	399992.96	3748432.35	0.12324c	(12010408)
400027.96	3748432.35	0.11095c	(12010408)	400062.96	3748432.35	0.10343	(12121824)
400097.96	3748432.35	0.09621	(12121824)	400132.96	3748432.35	0.08887	(12121824)
400167.96	3748432.35	0.08169	(12121824)	399467.96			

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3748467.35        0.16024c (12010408)
        399502.96   3748467.35        0.18103c (12010408)                399537.96
3748467.35        0.20419c (12010408)
        399572.96   3748467.35        0.22898c (12010408)                399607.96
3748467.35        0.25366c (12010408)
        399642.96   3748467.35        0.27526c (12010408)                399677.96
3748467.35        0.28993c (12010408)
        399712.96   3748467.35        0.29404c (12010408)                399747.96
3748467.35        0.28656c (12010408)
        399782.96   3748467.35        0.27331  (13041208)                399817.96
3748467.35        0.24632c (12010408)
        399852.96   3748467.35        0.22119c (12010408)                399887.96
3748467.35        0.19659c (12010408)
        399922.96   3748467.35        0.17402c (12010408)                399957.96
3748467.35        0.15394c (12010408)
        399992.96   3748467.35        0.13643c (12010408)                400027.96
3748467.35        0.12357  (12121824)
        400062.96   3748467.35        0.11316  (12121824)                400097.96
3748467.35        0.10295  (12121824)
        400132.96   3748467.35        0.09329  (12121824)                400167.96
3748467.35        0.08434  (12121824)
        399467.96   3748502.35        0.18094c (12010408)                399537.96
3748502.35        0.24124c (12010408)
        399572.96   3748502.35        0.27834c (12010408)                399607.96
3748502.35        0.31815c (12010408)
        399642.96   3748502.35        0.35585c (12010408)                399677.96
3748502.35        0.38318c (12010408)
        399712.96   3748502.35        0.39130c (12010408)                399747.96
3748502.35        0.37708c (12010408)
        400062.96   3748502.35        0.12066  (12121824)                400097.96
3748502.35        0.10742  (12121824)
        400132.96   3748502.35        0.09557  (12121824)                400167.96
3748502.35        0.08638  (12101424)
        399467.96   3748537.35        0.20369c (12010408)                399537.96
3748537.35        0.28625c (12010408)
        399572.96   3748537.35        0.34275c (12010408)                399607.96
3748537.35        0.40979c (12010408)
        399642.96   3748537.35        0.48149c (12010408)                399677.96
3748537.35        0.54016c (12010408)
        399712.96   3748537.35        0.55935c (12010408)                399747.96
3748537.35        0.52745c (12010408)
        400062.96   3748537.35        0.12853  (12101424)                400097.96
3748537.35        0.11388  (12101424)
        400132.96   3748537.35        0.10134  (12101424)                400167.96
3748537.35        0.09050  (12101424)
        399467.96   3748572.35        0.23213  (15112124)                399747.96
3748572.35        0.81248c (12010408)
        400062.96   3748572.35        0.13737  (12101424)                400097.96
3748572.35        0.11998  (12101424)
```

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	1.41971	AT (399650.29, 3748737.14, 17.66, 17.66, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.37993	AT (399650.29, 3748702.14, 17.61, 17.61, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.34796	AT (399650.29, 3748772.14, 17.71, 17.71, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.20787	AT (399650.29, 3748667.14, 17.69, 17.69, 0.00)	DC	
	5TH HIGHEST VALUE IS	1.04195	AT (399650.29, 3748807.14, 17.81, 17.81, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.67492	AT (399615.29, 3748737.14, 17.99, 17.99, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.66008	AT (399615.29, 3748702.14, 17.96, 17.96, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.63112	AT (399615.29, 3748772.14, 18.17, 18.17, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.58842	AT (399615.29, 3748667.14, 18.09, 18.09, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.52445	AT (399615.29, 3748807.14, 18.06, 18.06, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART

                                                *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                                                      DATE
                                      NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
- -
- -

ALL   HIGH   1ST HIGH VALUE IS   3.24994 ON 13052506: AT (399650.29,
3748772.14,   17.71,   17.71,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

                                                *** THE SUMMARY OF HIGHEST 8-HR
RESULTS ***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                                                      DATE
                                      NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR

```
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       2.81936c ON 12010408: AT (  399650.29,
3748737.14,    17.66,    17.66,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/15/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:49:26

                                  PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of         2285 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of         1588 Calm Hours Identified

 A Total of          697 Missing Hours Identified (  1.59 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     707       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
 ME W187     707       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

Concrete Batch Plant Speciation Profile PM3431

		micrograms per meter cubed		micrograms per meter cubed
AERMOD results	Period	0.00041	1-HR	0.00271

Enter Batch Plant result from AERMOD

	%	Ave Conc enter into RAST	Max 1-Hr Conc enter into RAST
Aluminum	1.60E-04	0.000000066	0.000000434
Arsenic	2.20E-05	0.000000009	0.000000060
Beryllium	1.00E-06	0.000000000	0.000000003
Cadmium	1.00E-06	0.000000000	0.000000003
Chromium Total	5.80E-05	0.000000024	0.000000157
Copper	3.00E-05	0.000000012	0.000000081
Hexavalent Chromium	5.00E-06	0.000000002	0.000000014
Lead	1.20E-05	0.000000005	0.000000033
Manganese	4.00E-04	0.000000164	0.000001084
Nickel	2.50E-05	0.000000010	0.000000068
Selenium	1.00E-06	0.000000000	0.000000003
Zinc	9.20E-05	0.000000038	0.000000249
Other	99.92%	0.000409672	0.002707832
	100.00%	0.000410003	0.002710019

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.0
** Lakes Environmental Software Inc.
** Date: 7/31/2022
** File: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\Artesia Blvd CBP\Artesia
Blvd CBP.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd CBP.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     399781.316  3748687.736       18.360
** DESCRSRC Concrete Batch Plant
** Source Parameters **
   SRCPARAM VOL1         7.7481E-06    15.000    17.442     7.000
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
```

```
RE STARTING
   INCLUDED "Artesia Blvd CBP.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "ARTESIA BLVD CBP.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "ARTESIA BLVD CBP.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "ARTESIA BLVD CBP.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd CBP.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.0
** Lakes Environmental Software Inc.
** Date: 7/31/2022
** File: C:\Lakes\AERMOD View\Artesia Boulevard Corridor\Artesia Blvd CBP\Artesia
Blvd CBP.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Artesia Blvd SP_Const\Artesia Blvd SP_Const.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8 PERIOD
   URBANOPT 9861224 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Artesia Blvd CBP.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     399781.316  3748687.736       18.360
** DESCRSRC Concrete Batch Plant
** Source Parameters **
   SRCPARAM VOL1         7.7481E-06    15.000    17.442     7.000
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
```

```
**
RE STARTING
   INCLUDED "Artesia Blvd CBP.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "ARTESIA BLVD CBP.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "ARTESIA BLVD CBP.AD\08H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "ARTESIA BLVD CBP.AD\PE00GALL.PLT" 33
   SUMMFILE "Artesia Blvd CBP.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/31/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:57:11

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     1 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9861224.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.
```

```
 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and      36
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      1 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    29.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
VOL1	0	0.77481E-05	399781.3	3748687.7	18.4	15.00	17.44	7.00	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	VOL1 ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399666.2, 3748641.9, 17.3, 17.3, 0.0); (399686.2, 3748641.9, 17.8, 17.8, 0.0);
(399706.2, 3748641.9, 17.8, 17.8, 0.0); (399726.2, 3748641.9, 17.8, 17.8, 0.0);
(399666.2, 3748661.9, 17.4, 17.4, 0.0); (399686.2, 3748661.9, 17.8, 17.8, 0.0);
(399706.2, 3748661.9, 17.9, 17.9, 0.0); (399726.2, 3748661.9, 17.8, 17.8, 0.0);
(399666.2, 3748681.9, 17.4, 17.4, 0.0); (399686.2, 3748681.9, 17.7, 17.7, 0.0);
(399706.2, 3748681.9, 17.8, 17.8, 0.0); (399726.2, 3748681.9, 17.8, 17.8, 0.0);
(399666.2, 3748701.9, 17.4, 17.4, 0.0); (399686.2, 3748701.9, 17.7, 17.7, 0.0);
(399706.2, 3748701.9, 17.8, 17.8, 0.0); (399726.2, 3748701.9, 17.8, 17.8, 0.0);
(399666.2, 3748721.9, 17.4, 17.4, 0.0); (399686.2, 3748721.9, 17.7, 17.7, 0.0);
(399706.2, 3748721.9, 17.8, 17.8, 0.0); (399726.2, 3748721.9, 17.8, 17.8, 0.0);
(399666.2, 3748741.9, 17.5, 17.5, 0.0); (399686.2, 3748741.9, 18.0, 18.0, 0.0);
(399706.2, 3748741.9, 18.0, 18.0, 0.0); (399726.2, 3748741.9, 17.9, 17.9, 0.0);
(399666.2, 3748761.9, 17.6, 17.6, 0.0); (399686.2, 3748761.9, 18.0, 18.0, 0.0);
(399706.2, 3748761.9, 18.1, 18.1, 0.0); (399726.2,

3748761.9,   17.9,   17.9,   0.0);
     (399666.2, 3748781.9,   17.6,   17.6,   0.0);   (399686.2,
3748781.9,   18.0,   18.0,   0.0);
     (399706.2, 3748781.9,   18.1,   18.1,   0.0);   (399726.2,
3748781.9,   18.0,   18.0,   0.0);
     (399666.2, 3748801.9,   17.7,   17.7,   0.0);   (399686.2,
3748801.9,   18.0,   18.0,   0.0);
     (399706.2, 3748801.9,   18.1,   18.1,   0.0);   (399726.2,
3748801.9,   18.0,   18.0,   0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54,   3.09,   5.14,   8.23,
10.80,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                  *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file: KFUL_V9_ADJU\KFUL_v9.SFC
                Met Version: 16216
   Profile file: KFUL_V9_ADJU\KFUL_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:   3166   Upper air station no.:   3190
                  Name: UNKNOWN   Name: UNKNOWN

                  Year: 2012   Year: 2012

 First 24 hours of scalar data
 YR MO DY JDY HR   H0   U*   W* DT/DZ ZICNV ZIMCH M-O LEN   Z0 BOWEN
ALBEDO REF WS   WD   HT REF TA   HT
- -
- - - - - - - - - - - - - - - - - - -
 12 01 01   1 01   -4.8 0.098 -9.000 -9.000 -999.   74.   18.0 0.26   2.61
1.00   0.96 322.   10.1 283.8   2.0
 12 01 01   1 02   -1.9 0.072 -9.000 -9.000 -999.   47.   18.0 0.26   2.61
1.00   0.52   13.   10.1 283.1   2.0
 12 01 01   1 03   -3.1 0.083 -9.000 -9.000 -999.   57.   16.3 0.26   2.61
1.00   0.75   73.   10.1 282.0   2.0
 12 01 01   1 04   -4.3 0.094 -9.000 -9.000 -999.   69.   17.3 0.26   2.61
1.00   0.91   98.   10.1 281.4   2.0
 12 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.26   2.61
1.00   0.00   0.   10.1 280.9   2.0
 12 01 01   1 06   -2.1 0.074 -9.000 -9.000 -999.   48.   17.6 0.26   2.61
1.00   0.55   80.   10.1 280.4   2.0
 12 01 01   1 07   -2.8 0.080 -9.000 -9.000 -999.   54.   16.3 0.26   2.61
1.00   0.69 201.   10.1 280.4   2.0
 12 01 01   1 08   -1.5 0.066 -9.000 -9.000 -999.   41.   17.0 0.26   2.61
0.54   0.52   72.   10.1 280.9   2.0
 12 01 01   1 09   37.4 -9.000 -9.000 -9.000   38. -999. -99999.0 0.26   2.61
0.31   0.00   0.   10.1 285.9   2.0
 12 01 01   1 10 109.1 0.151 0.713 0.008 121. 141.   -2.9 0.26   2.61
0.24   0.79 268.   10.1 289.9   2.0
 12 01 01   1 11 160.5 0.148 1.143 0.005 338. 136.   -1.8 0.26   2.61

```
0.21    0.70  273.   10.1  294.2    2.0
 12 01 01   1 12  186.9  0.156  1.483  0.005  634.  148.     -1.8  0.26   2.61
0.20    0.74  230.   10.1  297.5    2.0
 12 01 01   1 13  187.4  0.210  1.777  0.005 1088.  231.     -4.5  0.26   2.61
0.20    1.20  227.   10.1  300.4    2.0
 12 01 01   1 14  160.3  0.235  1.833  0.005 1395.  274.     -7.4  0.26   2.61
0.21    1.47  233.   10.1  300.9    2.0
 12 01 01   1 15  109.1  0.197  1.662  0.005 1527.  210.     -6.3  0.26   2.61
0.25    1.20  233.   10.1  302.0    2.0
 12 01 01   1 16   33.3  0.243  1.125  0.005 1548.  288.    -39.2  0.26   2.61
0.33    1.91  229.   10.1  298.1    2.0
 12 01 01   1 17   -9.1  0.141 -9.000 -9.000 -999.  132.     28.3  0.26   2.61
0.60    1.37  212.   10.1  294.2    2.0
 12 01 01   1 18   -4.3  0.094 -9.000 -9.000 -999.   69.     17.5  0.26   2.61
1.00    0.91  190.   10.1  292.0    2.0
 12 01 01   1 19   -2.8  0.079 -9.000 -9.000 -999.   54.     16.3  0.26   2.61
1.00    0.70  302.   10.1  289.2    2.0
 12 01 01   1 20   -4.0  0.091 -9.000 -9.000 -999.   65.     17.0  0.26   2.61
1.00    0.87  338.   10.1  288.1    2.0
 12 01 01   1 21   -6.3  0.113 -9.000 -9.000 -999.   91.     20.5  0.26   2.61
1.00    1.11  304.   10.1  287.0    2.0
 12 01 01   1 22   -3.1  0.082 -9.000 -9.000 -999.   57.     16.3  0.26   2.61
1.00    0.75   76.   10.1  285.4    2.0
 12 01 01   1 23   -2.4  0.076 -9.000 -9.000 -999.   50.     16.7  0.26   2.61
1.00    0.62  306.   10.1  284.9    2.0
 12 01 01   1 24   -3.6  0.087 -9.000 -9.000 -999.   62.     16.6  0.26   2.61
1.00    0.82  318.   10.1  283.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  322.    0.96   283.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Artesia Blvd
SP_Const\Artesia Blvd SP_Const.isc ***        07/31/22
 *** AERMET - VERSION  16216 ***   ***
                       ***       18:57:11

                                 PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399666.24	3748641.91	0.00019	399686.24	3748641.91	0.00022
399706.24	3748641.91	0.00026	399726.24	3748641.91	0.00030
399666.24	3748661.91	0.00020	399686.24	3748661.91	0.00025
399706.24	3748661.91	0.00030	399726.24	3748661.91	0.00037
399666.24	3748681.91	0.00021	399686.24	3748681.91	0.00026
399706.24	3748681.91	0.00032	399726.24	3748681.91	0.00041
399666.24	3748701.91	0.00021	399686.24	3748701.91	0.00026
399706.24	3748701.91	0.00032	399726.24	3748701.91	0.00040
399666.24	3748721.91	0.00020	399686.24	3748721.91	0.00024
399706.24	3748721.91	0.00029	399726.24	3748721.91	0.00036
399666.24	3748741.91	0.00018	399686.24	3748741.91	0.00022
399706.24	3748741.91	0.00026	399726.24	3748741.91	0.00031
399666.24	3748761.91	0.00017	399686.24	3748761.91	0.00019
399706.24	3748761.91	0.00022	399726.24	3748761.91	0.00026
399666.24	3748781.91	0.00015	399686.24	3748781.91	0.00017
399706.24	3748781.91	0.00020	399726.24	3748781.91	0.00022
399666.24	3748801.91	0.00013	399686.24	3748801.91	0.00015
399706.24	3748801.91	0.00017	399726.24	3748801.91	0.00019

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399666.24	3748641.91	0.00129	(12121616)	399686.24	3748641.91	0.00148	(12121616)
399706.24	3748641.91	0.00167	(13112916)	399726.24	3748641.91	0.00175	(14030217)
399666.24	3748661.91	0.00144	(15042107)	399686.24	3748661.91	0.00175	(15042107)
399706.24	3748661.91	0.00203	(15042107)	399726.24	3748661.91	0.00208	(15042107)
399666.24	3748681.91	0.00157	(15042107)	399686.24	3748681.91	0.00198	(15042107)
399706.24	3748681.91	0.00242	(15042107)	399726.24	3748681.91	0.00271	(15042107)
399666.24	3748701.91	0.00162	(13121916)	399686.24	3748701.91	0.00182	(13121916)
399706.24	3748701.91	0.00217	(15042107)	399726.24	3748701.91	0.00234	(15042107)
399666.24	3748721.91	0.00168	(13052506)	399686.24	3748721.91	0.00197	(13052506)
399706.24	3748721.91	0.00211	(13052506)	399726.24	3748721.91	0.00191	(13052506)
399666.24	3748741.91	0.00155	(13052506)	399686.24	3748741.91	0.00161	(13052506)
399706.24	3748741.91	0.00145	(13052506)	399726.24	3748741.91	0.00141	(13092608)
399666.24	3748761.91	0.00111	(13052506)	399686.24	3748761.91	0.00098	(13052506)
399706.24	3748761.91	0.00105	(13092608)	399726.24	3748761.91	0.00138	(13092608)
399666.24	3748781.91	0.00065	(13052506)	399686.24	3748781.91	0.00076	(13092608)
399706.24	3748781.91	0.00100	(13092608)	399726.24	3748781.91	0.00118	(13092608)
399666.24	3748801.91	0.00055	(13092608)	399686.24			

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399666.24	3748641.91	0.00059c	(12110208)	399686.24	3748641.91	0.00071b	(12122916)
399706.24	3748641.91	0.00085c	(12010408)	399726.24	3748641.91	0.00106c	(12010408)
399666.24	3748661.91	0.00063c	(12110208)	399686.24	3748661.91	0.00075b	(12122916)
399706.24	3748661.91	0.00095c	(12010408)	399726.24	3748661.91	0.00124c	(12010408)
399666.24	3748681.91	0.00060c	(12010408)	399686.24	3748681.91	0.00077c	(12010408)
399706.24	3748681.91	0.00100c	(12010408)	399726.24	3748681.91	0.00135c	(12010408)
399666.24	3748701.91	0.00060c	(12010408)	399686.24	3748701.91	0.00076c	(12010408)
399706.24	3748701.91	0.00099c	(12010408)	399726.24	3748701.91	0.00132c	(12010408)
399666.24	3748721.91	0.00058c	(12100508)	399686.24	3748721.91	0.00072c	(12010408)
399706.24	3748721.91	0.00091c	(12010408)	399726.24	3748721.91	0.00117c	(12010408)
399666.24	3748741.91	0.00054c	(12100508)	399686.24	3748741.91	0.00065c	(12010408)
399706.24	3748741.91	0.00080c	(12010408)	399726.24	3748741.91	0.00098c	(12010408)

```
        399666.24   3748761.91        0.00051  (13052508)                399686.24
3748761.91        0.00058  (13052508)
        399706.24   3748761.91        0.00068c (12010408)                399726.24
3748761.91        0.00080c (12010408)
        399666.24   3748781.91        0.00047  (13052508)                399686.24
3748781.91        0.00052  (13052508)
        399706.24   3748781.91        0.00058c (12010408)                399726.24
3748781.91        0.00065c (12010408)
        399666.24   3748801.91        0.00042  (13052508)                399686.24
3748801.91        0.00045  (13052508)
        399706.24   3748801.91        0.00049  (15060508)                399726.24
3748801.91        0.00054c (12010408)
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
             **


                      NETWORK
GROUP ID                     AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.00041 AT (  399726.24,  3748681.91,    17.77,
   17.77,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00040 AT (  399726.24,  3748701.91,    17.78,
   17.78,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00037 AT (  399726.24,  3748661.91,    17.77,
   17.77,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00036 AT (  399726.24,  3748721.91,    17.82,
   17.82,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00032 AT (  399706.24,  3748681.91,    17.78,
   17.78,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00032 AT (  399706.24,  3748701.91,    17.77,
   17.77,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00031 AT (  399726.24,  3748741.91,    17.88,
   17.88,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00030 AT (  399726.24,  3748641.91,    17.75,
```

17.75,   0.00) DC
       9TH HIGHEST VALUE IS   0.00030 AT (399706.24, 3748661.91,   17.85,
17.85,   0.00) DC
      10TH HIGHEST VALUE IS   0.00029 AT (399706.24, 3748721.91,   17.82,
17.82,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

                                                *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                                                        DATE
                                         NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
- -
- -

ALL   HIGH   1ST HIGH VALUE IS   0.00271 ON 15042107: AT (399726.24,
3748681.91,   17.77,   17.77,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	CONC (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00135c ON 12010408:	AT (399726.24, 3748681.91, 17.77, 17.77, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 2285 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1588 Calm Hours Identified

A Total of 697 Missing Hours Identified (1.59 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

```
   ********   WARNING MESSAGES   ********
ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

			Percentage	µg/m³	µg/m³	µg/m³	µg/m³
INDEX	POLID	Pollutant	Mass Fraction	AERMOD Annual	Annual MER Concentration	Aermod Hourly	Acute Concentration
1	9901	DPM	1	2.16E-02	2.16E-02		
2	75070	Acetaldehyde	2.80E-03	0.55651	1.56E-03	1.34029	3.75E-03
3	107028	Acrolein	1.30E-03		7.23E-04		1.74E-03
4	71432	Benzene	2.83E-02		1.57E-02		3.79E-02
5	106990	1,3-Butadiene	5.50E-03		3.06E-03		7.37E-03
6	100414	Ethyl benzene	1.17E-02		6.51E-03		1.57E-02
7	50000	Formaldehyde	1.58E-02		8.79E-03		2.12E-02
8	110543	Hexane	3.14E-02		1.75E-02		4.21E-02
9	67561	Methanol	1.20E-03		6.68E-04		1.61E-03
10	78933	Methly Ethyl Ketone	2.00E-04		1.11E-04		2.68E-04
12	115071	Propylene	3.06E-02		1.70E-02		4.10E-02
13	100425	Styrene	1.20E-03		6.68E-04		1.61E-03
14	108883	Toluene	7.46E-02		4.15E-02		1.00E-01
15	1330207	Xylenes	5.38E-02		2.99E-02		7.21E-02
16	7429905	Aluminum	1.60E-04	0.00041	6.56E-08	0.00271	4.34E-07
17	7440382	Arsenic	2.20E-05		9.02E-09		5.96E-08
18	7440417	Beryllium	1.00E-06		4.10E-10		2.71E-09
19	7440439	Cadmium	1.00E-06		4.10E-10		2.71E-09
20	7440473	Chromium Total	5.80E-05		2.38E-08		1.57E-07
21	7440508	Copper	3.00E-05		1.23E-08		8.13E-08
22	18540299	Hexavalent Chromium	5.00E-06		2.05E-09		1.36E-08
23	7439921	Lead	1.20E-05		4.92E-09		3.25E-08
24	7439965	Manganese	4.00E-04		1.64E-07		1.08E-06
25	7440020	Nickel	2.50E-05		1.03E-08		6.78E-08
26	7782492	Selenium	1.00E-06		4.10E-10		2.71E-09
27	7440666	Zinc	9.20E-05		3.77E-08		2.49E-07
11	91203	Naphthalene	5.00E-04		2.78E-04		6.70E-04

HARP 2 Risk

	Cancer		Chronic	Acute	
CONC	INH_RISK	RESP	CONC	RESP	
2.16E-02	1.87E-05	4.32E-03	0	0.00E+00	
1.56E-03	1.23E-08	1.11E-05	0.00375	7.98E-06	
7.23E-04	0.00E+00	2.07E-03	0.00174	6.96E-04	
1.57E-02	1.23E-06	0.00E+00	0.0379	0.00E+00	
3.06E-03	1.44E-06	0.00E+00	0.00737	0.00E+00	
6.51E-03	4.45E-08	0.00E+00	0.0157	0.00E+00	
8.79E-03	1.45E-07	9.77E-04	0.0212	0.00E+00	
1.75E-02	0.00E+00	0.00E+00	0.0421	0.00E+00	
6.68E-04	0.00E+00	0.00E+00	0.00161	0.00E+00	
1.11E-04	0.00E+00	0.00E+00	0.000268	2.06E-08	
1.70E-02	0.00E+00	5.67E-06	0.041	0.00E+00	
6.68E-04	0.00E+00	0.00E+00	0.00161	7.67E-08	
4.15E-02	0.00E+00	0.00E+00	0.1	2.00E-05	
2.99E-02	0.00E+00	4.27E-05	0.0721	3.28E-06	
6.56E-08	0.00E+00	0.00E+00	4.34E-07	0.00E+00	
9.02E-09	8.51E-11	6.01E-07	5.96E-08	0	
4.10E-10	2.71E-12	5.86E-08	2.71E-09	0	
4.10E-10	4.84E-12	2.05E-08	2.71E-09	0	
2.38E-08	0.00E+00	0.00E+00	1.57E-07	0	
1.23E-08	0.00E+00	0.00E+00	8.13E-08	8.13E-10	
2.05E-09	8.22E-10	1.03E-08	1.36E-08	0	
4.92E-09	1.63E-13	0.00E+00	3.25E-08	0	
1.64E-07	0.00E+00	0.00E+00	1.08E-06	0	
1.03E-08	7.34E-12	7.32E-07	6.78E-08	0	
4.10E-10	0.00E+00	0.00E+00	2.71E-09	0	
3.77E-08	0.00E+00	0.00E+00	2.49E-07	0.00E+00	
2.78E-04	2.62E-08	3.09E-05	0.00067	0	
Total	2.16E-05	7.45E-03		7.27E-04	

HARP 2 Risk
With Fraction of Time Indoors MERV

	Cancer		Chronic	Acute	
CONC	INH_RISK	RESP	CONC	RESP	
5.39E-03	4.66E-06	1.08E-03	0	0.00E+00	
1.56E-03	1.23E-08	1.11E-05	0.00375	7.98E-06	
7.23E-04	0.00E+00	2.07E-03	0.00174	6.96E-04	
1.57E-02	1.23E-06	0.00E+00	0.0379	0.00E+00	
3.06E-03	1.44E-06	0.00E+00	0.00737	0.00E+00	
6.51E-03	4.45E-08	0.00E+00	0.0157	0.00E+00	
8.79E-03	1.45E-07	9.77E-04	0.0212	0.00E+00	
1.75E-02	0.00E+00	0.00E+00	0.0421	0.00E+00	
6.68E-04	0.00E+00	0.00E+00	0.00161	0.00E+00	
1.11E-04	0.00E+00	0.00E+00	0.000268	2.06E-08	
1.70E-02	0.00E+00	5.67E-06	0.041	0.00E+00	
6.68E-04	0.00E+00	0.00E+00	0.00161	7.67E-08	
4.15E-02	0.00E+00	0.00E+00	0.1	2.00E-05	
2.99E-02	0.00E+00	4.27E-05	0.0721	3.28E-06	
6.56E-08	0.00E+00	0.00E+00	4.34E-07	0.00E+00	
9.02E-09	8.51E-11	6.01E-07	5.96E-08	0.00E+00	
4.10E-10	0.00	5.86E-08	2.71E-09	0.00E+00	
4.10E-10	4.8371E-12	2.05E-08	2.71E-09	0.00E+00	
2.38E-08	0	0.00E+00	1.57E-07	0.00E+00	
1.23E-08	0	0.00E+00	8.13E-08	8.13E-10	
2.05E-09	8.2231E-10	1.03E-08	1.36E-08	0.00E+00	
4.92E-09	1.6253E-13	0.00E+00	3.25E-08	0.00E+00	
1.64E-07	0	0.00E+00	1.08E-06	0.00E+00	
1.03E-08	7.3363E-12	7.32E-07	6.78E-08	0.00E+00	
4.10E-10	0	0.00E+00	2.71E-09	0.00E+00	
3.77E-08	0	0.00E+00	2.49E-07	0.00E+00	
2.78E-04	2.6238E-08	3.09E-05	0.00067	0.00E+00	
	7.57E-06	4.21E-03		7.27E-04	

Appendix 4.2

Artesia Place Project Cultural Report

Appendix 4.2-1

Artesia Place Project Cultural Report

Prepared by

Kimley»Horn

Expect More. Experience Better.

CULTURAL RESOURCES ASSESSMENT

Artesia Boulevard Corridor Specific Plan Amendment Project
City of Artesia, Los Angeles County, California

Prepared for:

Rita Garcia
Project Manager
Kimley-Horn
1100 West Town and Country Road, Suite 700
Orange, California 92868

Prepared by:

David Brunzell, M.A., RPA
BCR Consulting LLC
Claremont, California 91711

Project No. KIM2212

Data Base Information:
Type of Study: Intensive Survey
Resources Recorded: None
USGS Quadrangle: 7.5-minute *Los Alamitos, California* (1981)

BCRCONSULTING LLC

November 1, 2022

MANAGEMENT SUMMARY

BCR Consulting LLC (BCR Consulting) is under contract to Kimley-Horn to complete a Cultural Resources Assessment of the proposed Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment) (Project) in the City of Artesia (City), Los Angeles County, California. The Project site is generally bound by roadways, with Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. A cultural resources records search, additional research, intensive-level pedestrian field survey, Sacred Lands File (SLF) Search with the Native American Heritage Commission (NAHC), and paleontological overview were completed for the Project pursuant to the California Environmental Quality Act (CEQA).

The records search revealed that five previous cultural resources studies have taken place, and one cultural resource has been recorded within one half-mile of the project site. None of the previous studies has assessed the Project site, and no cultural resources have been previously recorded within its boundaries. Additional research revealed that a dairy product processing, storage, and distribution facility was formerly located at the Project site. During the field survey, BCR Consulting personnel identified no cultural resources of any kind within the Project site boundaries. Based on these results, proposed Project activities are not likely to result in impacts to any potential “historical resources” under CEQA. Furthermore, activities associated with construction and subsequent demolition of the former commercial and industrial building complex has disturbed sediments beyond depths at which buried prehistoric cultural resources are likely. Based on these results, BCR Consulting recommends that no additional cultural resources work or monitoring is necessary for any proposed Project activities. However, if previously undocumented cultural resources are identified during earthmoving activities, a qualified archaeologist shall be contacted to assess the nature and significance of the find, diverting construction excavation if necessary.

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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INTRODUCTION

BCR Consulting LLC (BCR Consulting) is under contract to Kimley-Horn to complete a Cultural Resources Assessment of the proposed Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment) (Project) in the City of Artesia (City), Los Angeles County, California. A cultural resources records search, additional research, intensive-level pedestrian field survey, Sacred Lands File (SLF) search with the Native American Heritage Commission (NAHC), and paleontological overview were completed in partial fulfillment of the California Environmental Quality Act (CEQA). The Project occupies approximately 3.33 acres and is bounded by Flallon Avenue on the west, Artesia Boulevard on the south, Alburtis Avenue on the east, and a commercial property to the north. An additional existing, offsite, approximately 0.21-acre ancillary parking lot located immediately east of the Project site would be made available to one of the proposed shopkeeper units, but the Project would not improve or modify the existing, fully-improved parking lot. The Project site is located in a non-sectioned portion of Township 3 South, Range 12 West, San Bernardino Baseline and Meridian. It is depicted on the □nited States Geological Survey (□SGS) *Los Alamitos, California* (1981) 7.5-minute topographic quadrangle (Figure 1).

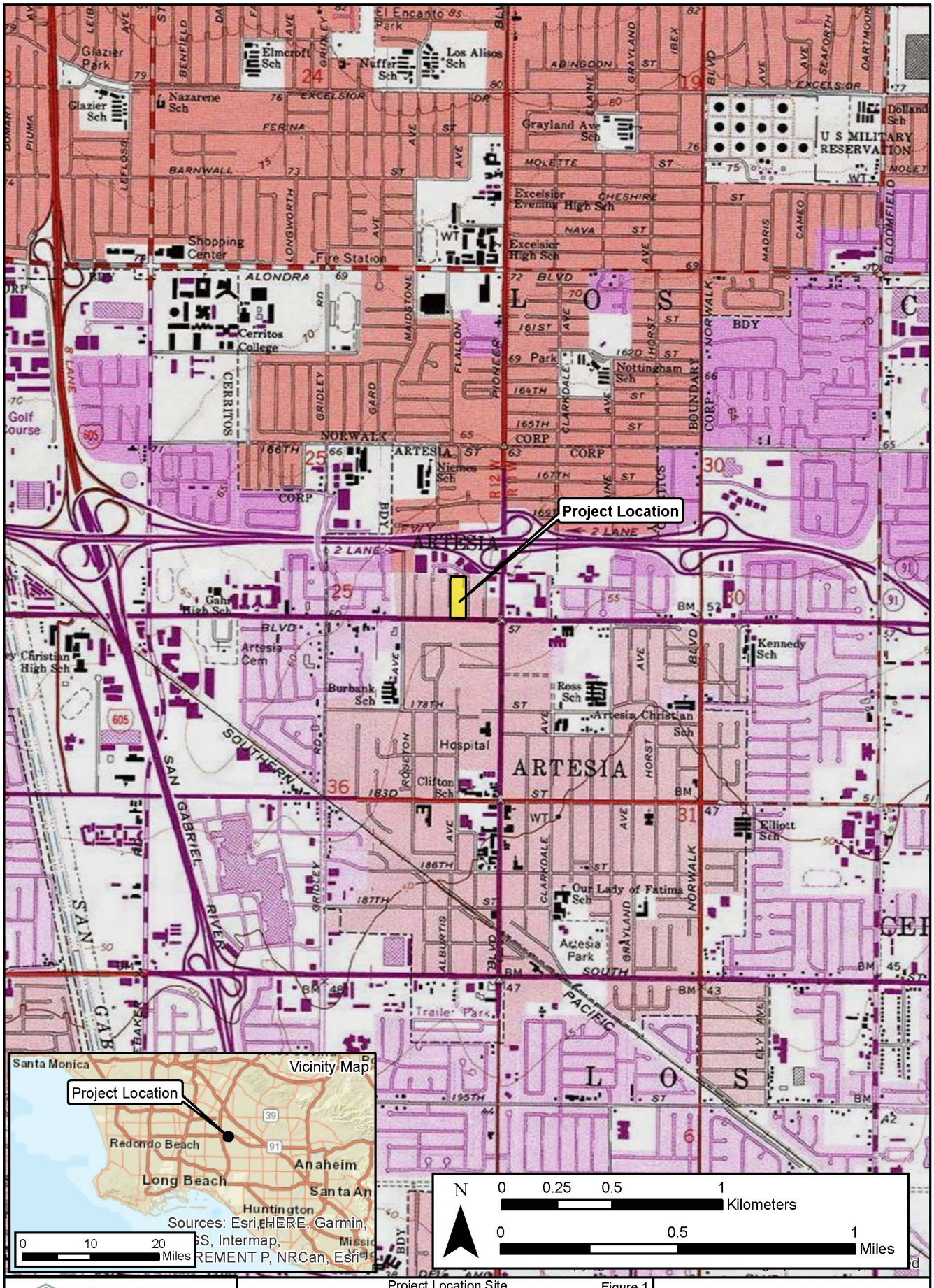
NATURAL SETTING

The local geologic region coincides with the physiographic area known as the Los Angeles Basin. It is characterized as a transverse-oriented lowland basin and coastal plain approximately 50 miles long and 20 miles wide. The basin originated as a deep marine trough during the Pliocene (7-2 million years ago) that eventually filled with shallow water fossil bearing sediments. By the beginning of the Pleistocene (after 2 million years ago) uplifting created the series of plains and mesas along the coast that now characterize the area (Lambert 1994, Mendenhall 1905, Woodford et al. 1954). Local rainfall ranges from 5 to 15 inches annually (Jaeger and Smith 1971:36-37). Local vegetation communities are naturally dominated by coastal sage scrub and riparian vegetation, although urbanization prevents its proliferation in much of the Project region (Williams et al. 2008:117, 122). See Bean and Saubel (1972) for use of these biotic communities by prehistoric and historic inhabitants. Excavation for building construction on the Project site have disturbed sediments beyond depths at which buried cultural resources are likely.

CULTURAL SETTING

Prehistoric Context

The local prehistoric cultural setting has been organized into many chronological frameworks (see Warren and Crabtree 1986□Bettinger and Taylor 1974□Lanning 1963□Hunt 1960□ Wallace 1958, 1962, 1978□Campbell and Campbell 1935), although there is no definitive sequence for the region. The difficulties in establishing cultural chronologies for southern California are a function of its enormous size and the small amount of archaeological excavations. Moreover, throughout prehistory many groups have occupied the area and their territories often overlap spatially and chronologically resulting in mixed artifact deposits. Due to dry climate and capricious geological processes, these artifacts rarely become integrated in-situ. Lacking a milieu hospitable to the preservation of cultural midden, local chronologies



BCR CONSULTING LLC
Claremont/ Napa/ Tehachapi
www.bcrconsulting.net
909-625-7078

Project Location Site
11709 Artesia Boulevard Project
Reference: ESRI; USGS Quad: Los Alamitos, California (1981)

Figure 1

Kimley-Horn

have relied upon temporally diagnostic artifacts, such as projectile points, or upon the presence/absence of other temporal indicators, such as groundstone. Such methods are instructive, but can be limited by prehistoric occupants' concurrent use of different artifact styles, or by artifact re-use or re-sharpening, as well as researchers' mistaken diagnosis, and other factors (see Flenniken 1985 Flenniken and Raymond 1986 Flenniken and Wilke 1989). Recognizing the shortcomings of comparative temporal indicators, this study recommends review of Warren and Crabree (1986), who have drawn upon this method to produce a relatively comprehensive chronology.

Ethnography

The Gabrielino probably first encountered Europeans when Spanish explorers reached California s southern coast during the 15th and 16th centuries (Bean and Smith 1978 Kroeber 1925). The first documented encounter, however, occurred in 1769 when Gaspar de Portola s expedition crossed Gabrielino territory (Bean and Smith 1978). Other brief encounters took place over the years, and are documented in McCawley 1996 (citing numerous sources). The Gabrielino name has been attributed by association with the Spanish mission of San Gabriel, and refers to a subset of people sharing speech and customs with other Cupan speakers (such as the Juane o/Luise o/Ajachemem) from the greater Takic branch of the to-Aztecan language family (Bean and Smith 1978). Gabrielino villages occupied the watersheds of various rivers (locally including the Santa Ana) and intermittent streams. Chiefs were usually descended through the male line and often administered several villages. Gabrielino society was somewhat stratified and is thought to have contained three hierarchically ordered social classes which dictated ownership rights and social status and obligations (Bean and Smith 1978:540-546). Plants utilized for food were heavily relied upon and included acorn-producing oaks, as well as seed-producing grasses and sage. Animal protein was commonly derived from rabbits and deer in inland regions, while coastal populations supplemented their diets with fish, shellfish, and marine mammals (Boscana 1933, Heizer 1968, Johnston 1962, McCawley 1996). Dog, coyote, bear, tree squirrel, pigeon, dove, mud hen, eagle, buzzard, raven, lizards, frogs, and turtles were specifically not utilized as a food source (Kroeber 1925).

History

Historic-era California is generally divided into three periods: the Spanish or Mission Period (1769 to 1821), the Mexican or Rancho Period (1821 to 1848), and the American Period (1848 to present).

Spanish Period. The first European to pass through the area is thought to be a Spaniard called Father Francisco Garces. Having become familiar with the area, Garces acted as a guide to Juan Bautista de Anza, who had been commissioned to lead a group across the desert from a Spanish outpost in Arizona to set up quarters at the Mission San Gabriel in 1771 near what today is Pasadena (Beck and Haase 1974). Garces was followed by Alta California Governor Pedro Fages, who briefly explored the region in 1772. Searching for San Diego Presidio deserters, Fages had traveled through Riverside to San Bernardino, crossed over the mountains into the Mojave Desert, and then journeyed westward to the San Joaquin Valley (Beck and Haase 1974).

Mexican Period. In 1821, Mexico overthrew Spanish rule and the missions began to decline. By 1833, the Mexican government passed the Secularization Act, and the missions, reorganized as parish churches, lost their vast land holdings, and released their neophytes (Beattie and Beattie 1974).

American Period. The American Period, 1848–Present, began with the Treaty of Guadalupe Hidalgo. In 1850, California was accepted into the □nion of the □nited States primarily due to the population increase created by the Gold Rush of 1849. The cattle industry reached its greatest prosperity during the first years of the American Period. Mexican Period land grants had created large pastoral estates in California, and demand for beef during the Gold Rush led to a cattle boom that lasted from 1849–1855. However, beginning about 1855, the demand for beef began to decline due to imports of sheep from New Mexico and cattle from the Mississippi and Missouri Valleys. When the beef market collapsed, many California ranchers lost their ranchos through foreclosure. A series of disastrous floods in 1861–1862, followed by a significant drought further diminished the economic impact of local ranching. This decline combined with ubiquitous agricultural and real estate developments of the late 19th century, set the stage for diversified economic pursuits that continue to this day (Beattie and Beattie 1974□Cleland 1941).

PERSONNEL

David Brunzell, M.A., RPA acted as the Project Manager and Principal Investigator for the current study. Mr. Brunzell also conducted the records search and additional research, and authored the technical report. BCR Consulting Archaeological Field Director Joseph Orozco, M.A., RPA and Staff Archaeologist Douglas Kazmier performed the field assessment.

METHODS

This work was completed pursuant to CEQA, the Public Resources Code (PRC) Chapter 2.6, Section 21083.2, and California Code of Regulations (CCR) Title 14, Chapter 3, Article 5, Section 15064.5. The pedestrian cultural resources survey was intended to locate and document previously recorded or new cultural resources, including archaeological sites, features, isolates, and historic-period buildings that exceed 45 years in age within defined Project boundaries. The Project site was examined using 15-meter transect intervals, where accessible. This study is intended to determine whether cultural resources are located within the Project boundaries, whether any cultural resources are significant pursuant to the above-referenced regulations and standards, and to develop specific mitigation measures that will address potential impacts to existing or potential resources. Tasks pursued to achieve that end include:

- Cultural resources records search to review the results of any studies conducted within a one half-mile radius of the Project boundaries
- Additional research through various local and regional resources
- Systematic pedestrian survey of the entire accessible Project site
- Development of recommendations for cultural resources, following CEQA.

Research

Records Search. On May 19, 2022 a records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. This archival research reviewed the status of all recorded historic and prehistoric cultural resources, and survey and excavation reports completed within one half-mile of the current Project. Additional resources reviewed included the National Register, the California Register, and documents and inventories published by the California Office of Historic Preservation. These include the lists of California Historical Landmarks, California Points of Historical Interest, Listing of National Register Properties, and the Inventory of Historic Structures.

Additional Research. BCR Consulting performed additional research through records of the General Land Office Maintained by the Bureau of Land Management, the Los Angeles County Assessor, and through various Internet resources.

Field Survey

An intensive-level cultural resources field survey of the Project site was conducted on October 3, 2022. The survey was conducted by walking parallel transects spaced approximately 15 meters apart across the accessible Project site. Visible sediments were carefully inspected for evidence of cultural resources Digital photographs were taken at various points within the Project site.

RESULTS

Research

Records Search. Data from the SCCIC revealed that five previous cultural resources studies have taken place, and one cultural resource has been recorded within one half-mile of the Project site. None of the previous studies has assessed the Project site, and no cultural resources have been previously recorded within its boundaries. The records search results are summarized in Table A and a complete records search bibliography is provided in Appendix A.

Table A. Cultural Resources and Reports Within One Half-Mile of the Project Site

USGS 7.5 Min Quad	Cultural Resources Within 0.5 Mile of Project Site	Studies Within 0.5 Mile
Torrance (1981)*, Calif.*	P-19-192291: Historic Bldg. at 17501 Roseton Ave (1/4 Mile SW)	LA-4882, 6090, 6164, 10187, 13094

Additional Research. The Project site is located within Rancho Los Coyotes, a Mexican land grant that occupied nearly 50,000 acres (Wright 1898). Research has not revealed any evidence to suggest that the project site was ever developed during this era. Los Angeles County Assessor records indicate several industrial and commercial buildings within the Project site. These include two buildings utilized for industrial food processing (12,272 and 1,057 square feet respectively), one office building (7,147 square feet), one building used for industrial warehousing, distribution, and storage (6,814 square feet), and a parking lot (Los Angeles County Assessor Portal 2022). The site was occupied by the Superior Milk Product Association by the early 1950s. Also known as Superior Milk Producers Association, this

organization was a cooperative of 42 Dutch and Portuguese dairies from the Artesia and Chino Valley areas established in 1942. The cooperative standardized a quality control system and established a 4,000 square foot milk processing, and storage and distribution facility at the Project site in 1952. By 1967 the facility had expanded to construct and occupy the buildings described above. The group's original clients included military installations, milk distributors, and private labels, but by 1967 it had expanded into wholesale and retail markets and its products were available in grocery stores, liquor stores, catering services, restaurants, vending machines, schools, and hospitals in Los Angeles and Orange Counties. The facility produced and distributed a variety of milk products in addition to juices, fruit punch, and lemonade. Research did not indicate when operations ceased at the subject property, but the Superior Milk Producers Association corporation status was dissolved in 1979, at which time its address was 2670 Grand Avenue in the City of Covina (currently a residence). Although the assessor still lists buildings at the subject property, the facilities were demolished in 2022 (Los Angeles Times 22 May, 1967, page 89□Los Angeles Times 18 May 1967 page 119□ OpenGovus 2022□□nited States Department of Agriculture 2020).

Field Survey

During the field survey, BCR Consulting personnel carefully inspected the Project site for evidence of cultural resources. The former buildings, construction materials, and concrete had been removed. No vegetation was present. Sediment comprised silty sand with very few rocks. No cultural resources of any kind (including prehistoric or historic-period archaeological sites or historic-period buildings) were identified during the field survey.

RECOMMENDATIONS

No cultural resources (including prehistoric or historic-period archaeological sites or historic-period buildings) were identified within the Project site. Furthermore, activities associated with construction and subsequent demolition of the former commercial and industrial building complex has disturbed sediments beyond depths at which buried prehistoric cultural resources are likely. Therefore, no significant impacts related to archaeological or historical resources are anticipated, and no further investigations are recommended for the proposed Project unless:

- the proposed Project is changed to include areas not subject to this study□
- cultural materials are encountered during Project activities.

Although the current study has not indicated sensitivity for cultural resources within the Project boundaries, ground disturbing activities always have the potential to reveal buried deposits not observed on the surface during previous surveys. Prior to the initiation of ground-disturbing activities, field personnel should be alerted to the possibility of buried prehistoric or historic cultural deposits. In the event that field personnel encounter buried cultural materials, work in the immediate vicinity of the find should cease and a qualified archaeologist should be retained to assess the significance of the find. The qualified archaeologist would have the authority to stop or divert construction excavation as necessary. If the qualified archaeologist finds that any cultural resources present meet eligibility requirements for listing on the California Register or the National Register, plans for the treatment, evaluation, and mitigation

of impacts to the find will need to be developed. Prehistoric or historic cultural materials that may be encountered during ground-disturbing activities include:

- historic artifacts such as glass bottles and fragments, cans, nails, ceramic and pottery fragments, and other metal objects
- historic structural or building foundations, walkways, cisterns, pipes, privies, and other structural elements
- prehistoric flaked-stone artifacts and debitage (waste material), consisting of obsidian, basalt, and or cryptocrystalline silicates
- groundstone artifacts, including mortars, pestles, and grinding slabs
- dark, greasy soil that may be associated with charcoal, ash, bone, shell, flaked stone, groundstone, and fire affected rocks

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

REFERENCES

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□nited States Department of Agriculture
2020 Aerial Photographs of Los Angeles County. Electronic Document: historicaerials.com. Accessed Multiple Dates.

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Wright, E.T.
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APPENDIX A

RECORDS SEARCH BIBLIOGRAPHY

Report List

KIM2110

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-04882		2000	Sriro, Adam	Proposed Modifying of Traffic Signals and Lighting Plans on Route 91, E/b Off-ramp of Pioneer Blvd. in the City of Artesia, Los Angeles County	Caltrans District 7	19-000400
LA-06090		2002	Duke, Curt	Cultural Resource Assessment at & T Wireless Services Facility No. 05277b Los Angeles County, California	LSA Associates, Inc.	
LA-06164		2002	Duke, Curt	Cultural Resource Assessment at & T Wireless Services Facility No. 05277c Los Angeles County, California	LSA Associates, Inc.	
LA-10187		2000	Sriro, Adam	Negative Archaeological Survey Report - 4N0201	Caltrans	19-000400
LA-13094		2015	Carmack, Shannon	Historic Building Assessment for 17501 Roseton Avenue, City of Artesia, County of Los Angeles, California	Rincon Consultants, Inc	19-192291

Resource List

KIM2110

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-192291		Resource Name - 17501 Roseton Ave	Building	Historic	HP02	2015 (Shannon Carmack, Rincon)	LA-13094

APPENDIX B

PROJECT PHOTOGRAPHS

SE
S
SW
150
180
210
240
196°S (T) 11 N 399729 3748781 ±16ft ▲62ft
Overview
-Doug Kazmier-
KIM2210
03 Oct 2022, 10:33:59

S
SW
W
NW
180
210
240
270
300
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Overview
-Doug Kazmier-
KIM2210
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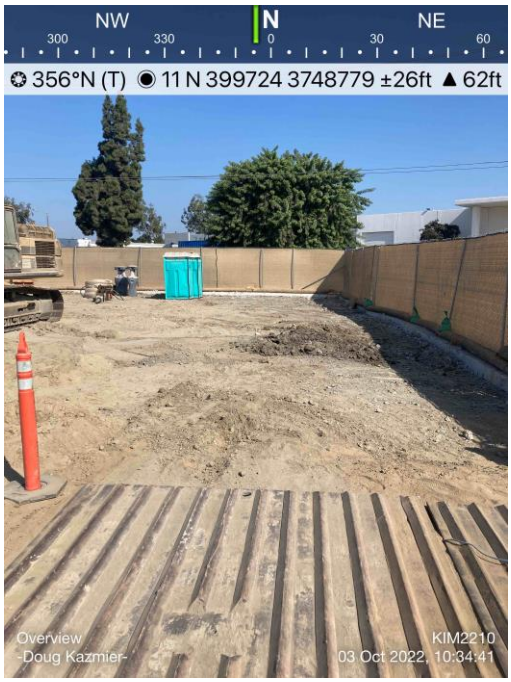
NW
N
NE
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30
60
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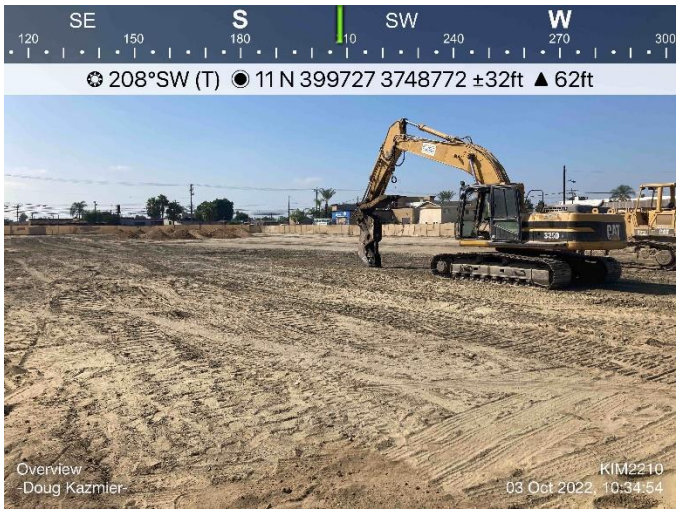
Overview
-Doug Kazmier-
KIM2210
03 Oct 2022, 10:34:41


SE
S
SW
W
120
150
180
210
240
270
300
208°SW (T) 11 N 399727 3748772 ±32ft ▲62ft
Overview
-Doug Kazmier-
KIM2210
03 Oct 2022, 10:34:54

APPENDIX C

NATIVE AMERICAN HERITAGE COMMISSION SACRED LANDS FILE SEARCH

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

PARLIAMENTARIAN
Russell Attebery
Karuk

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

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Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

June 20, 2022

David Brunzell
BCR Consulting, LLC

Via Email to: bcrllc2008@gmail.com

Re: 11709 Artesia Boulevard (KIM2210) Project, Los Angeles County

Dear Mr. Brunzell:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

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

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
6/20/2022

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
P.O. Box 941078 Gabrielino
Simi Valley, CA, 93094
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christina.marsden@alumni.usc.edu

Gabrielino-Tongva Tribe
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23454 Vanowen Street Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
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32161 Avenida Los Amigos Juaneno
San Juan Capisttrano, CA, 92675
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kaamalam@gmail.com

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Santa Rosa Band of Cahuilla Indians
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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed 11709 Artesia Boulevard (KIM2210) Project, Los Angeles County.

APPENDIX D

PALEONTOLOGICAL OVERVIEW

WESTERN SCIENCE CENTER

May 26, 2022

BCR Consulting, LLC
Joseph Orozco
505 W. 8th St.
Claremont, CA 91711

Dear Mr. Orozco,

This letter presents the results of a record search conducted for the 11709 Artesia Blvd Project located in the City of Artesia, Los Angeles County, California. The project site is located north of Artesia Blvd and between Corby Avenue and Alburtis Avenue on 3 South, Range 12 West, Section 25 on the *Los Alamitos, CA* USGS 7.5 minute quadrangle.

The geologic units underlying this project are mapped as alluvial silt, sand and gravel from the Holocene period (Saucdeo, Greene, Kennedy and Bezore 2016; Dibblee and Ehrenspeck, 2001). Holocene alluvial units are considered to be of high preservation value, but material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1 mile radius; however, this is likely due to the distance of the museum from the project area (approximately 65 linear miles).

While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

If you have any questions, or would like further information, please feel free to contact me at bstoneburg@westerncentermuseum.org.

Sincerely,

Brittney Elizabeth Stoneburg
Collections Technician

Appendix 4.3

Energy Calculations

					Fuel	
	Existing Annual VMT:		**0**			
Fleet Mix	auto	91%	0	gas (mpg)	23.09	0.00
	other	9%	0	diesel (mpg)	8.05	0.00
						0
	Project Annual VMT:		**2,621,345**			
Fleet Mix	auto	91%	2,385,424	gas (mpg)	23.09	103,309.83
	other	9%	235,921	diesel (mpg)	8.05	29,306.96
						132,617
	Net Project Annual VMT:		**2,621,345**			
Fleet Mix	auto	91%	2,385,424	gas (mpg)	23.09	103,309.83
	other	9%	235,921	diesel (mpg)	8.05	29,306.96
						132,617

Diesel MPG Source: EMFAC2021 (VMT/Fuel Consumption
Gasoline MPG Source: EMFAC2021 (VMT/Fuel Consumption)

Worker Fuel (Gasoline, on-road)

phase	trips	length (miles)	Days	total Miles	MPG	Gallons
Demolition	5	18.5	3	278	23.09	12.02
Grading	15	18.5	20	5,550	23.09	240.36
Building Construction	87	18.5	499	803,141	23.09	34,783.04
Paving	18	18.5	20	6,660	23.09	288.44
Architectural Coating	18	18.5	88	29,304	23.09	1,269.12
						35,324

Vender Fuel (Diesel, on-road)

phase	trips	length (miles)	days	total Miles	MPG	Gallons
Demolition	0	10.2	3	0	8.05	0.00
Grading	0	10.2	20	0	8.05	0.00
Building Construction	13	10.2	499	66,167	8.05	8,219.55
Paving	0	10.2	20	0	8.05	0.00
Architectural Coating	0	10.2	88	0	8.05	0.00
						8,220

Haul Fuel (Diesel, on-road)

phase	trips	length (miles)	days	total Miles	MPG	Gallons
Demolition	6	40	3	720	8.05	89.44
Grading	16	40	20	12,800	8.05	1,590.06
Building Construction	0	40	499	0	8.05	0.00
Paving	0	40	20	0	8.05	0.00
Architectural Coating	0	40	88	0	8.05	0.00
						1,680

Total On-Road Gas	**35,324**
Total On-Road Diesel	**9,899**

Construction Equipment (Diesel, off-road)

Phase	Equipment	Units	Hours	HP	Load Factor	Ave. Daily Load Factor	Days	HP Hours
Demolition	excavators	1	8	158	0.38	0.6	3	864.58
	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	3	447.55
Grading	Graders	1	8	148	0.41	0.6	20	5,825.28
	Rubber Tired Dozers	1	8	367	0.4	0.6	20	14,092.80
	excavators	1	8	158	0.38	0.6	20	5,763.84
	tractors/Loaders/Backhoes	3	8	84	0.37	0.6	20	2,983.68
Building Construction	cranes	1	4	367	0.29	0.6	499	127,460.57
	gerator sets	1	8	14	0.74	0.6	499	24,814.27
	welder	1	8	46	0.45	0.6	499	49,580.64
	forklifts	3	8	82	0.2	0.6	499	39,281.28
	Tractors/Loaders/Backhoes	3	8	84	0.37	0.6	499	74,442.82
Paving	cement and mortar mixers	2	8	10	0.56	0.6	20	537.60
	pavers	1	8	81	0.42	0.6	20	3,265.92
	paving equipment	2	8	89	0.36	0.6	20	3,075.84
	rollers	2	8	36	0.38	0.6	20	1,313.28
Architectural Coating	Air Compressor	1	8	37	0.48	0.6	88	7,501.82
						Total		**361,252**

Off-Road Diesel	**18,063**

27,962	**Total All Diesel**
63,286	**Total All Fuel**

HP = hoursepower. Gallons of diesel fuel per HP-hour - 0.05.

Equipment assumptions are provided in the CalEEMod output files for the Project and fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Water Usage for fugitive dust control during construction
Water application rate = 3,020 gallons/acre/day
Each gallon of delivered potable water in Southern California is associated with 0.009727 kWhr of electricity).

Grading 20 days x 3.51 acres x 3,020 gallons = 212,004 gallons x 0.009727 = 2,062 **kWhr**

	70.20
	212,004.00
	2,062

Appendix 4.7

Technical Noise Data

Appendix 4.7-1

Acoustical Assessment

Prepared by

Kimley»Horn

Expect More. Experience Better.

Acoustical Assessment
Artesia Place Project
(Artesia Boulevard Corridor Specific Plan Amendment)
City of Artesia, California

Kimley»Horn
Expect More. Experience Better.

Prepared by:

Kimley-Horn and Associates, Inc.
1100 W. Town and Country Road, Suite 700
Orange, California 92868
Contact: Mr. Ryan Chiene
714.705.1343

March 2023

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APPENDICES

Appendix A: Existing Ambient Noise Measurements
Appendix B: Noise Modeling Data

LIST OF ABBREVIATED TERMS

ABCSP	Artesia Boulevard Corridor Specific Plan
ADT	average daily traffic
AMC	Artesia Municipal Code
dBA	A-weighted sound level
DDA	Disposition and Development Agreement
CEQA	California Environmental Quality Act
CNEL	community equivalent noise level
L_{dn}	day-night noise level
dB	decibel
L_{eq}	equivalent noise level
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating ventilation and air conditioning
Hz	hertz
in/sec	inches per second
L_{max}	maximum noise level
µPa	micropascals
L_{min}	minimum noise level
PPV	peak particle velocity
RMS	root mean square
VdB	vibration velocity level

1 INTRODUCTION

This report documents the results of an Acoustical Assessment completed for the Artesia Place Project (Artesia Boulevard Corridor Specific Plan [ABCSP] Amendment Project) (Project). The purpose of this Acoustical Assessment is to evaluate the potential Project construction and operational noise and vibration levels and determine the level of impact the Project would have on the environment.

1.1 Project Location and Setting

The Project site is in the City of Artesia (City), approximately 14 miles southeast of downtown Los Angeles; see **Figure 1: Regional Vicinity Map**. The Project site consists of one approximately 3.3 acre parcel (Assessor Parcel Number [APN] 7035-016-064) located at 11709 Artesia Boulevard; see **Figure 2: Local Vicinity Map**. The Project site is generally bound by roadways, with Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west.

The Project site is at the northeast portion of the 21-acre ABCSP area, which extends along Artesia Boulevard, generally between Corby Avenue on the east and Gridley Road on the west. As shown in **Figure 3: Project Site Boundary Within ABCSP**, the Project site is at the eastern extent of ABCSP's Quadrant 2, which is comprised of approximately 6.0 acres located north of Artesia Boulevard between Alburtis Avenue on the east and Roseton Avenue on the west. Two major freeways provide regional access to the Project site: Artesia Freeway (State Route 91 [SR-91]) to the north; and Interstate 605 (I-605) to the west. From SR-91, access to the Project site is provided via Pioneer Boulevard, which is east of the Project site. From I-605, access to the Project site is provided via Artesia Boulevard, which bisects the ABCSP area. Local access to the Project site is provided via Artesia Boulevard, which is a four-lane divided arterial roadway oriented east-west through the ABCSP area. Local access is also provided via Pioneer Boulevard, which is a four-lane arterial oriented north-south to the west of the Project site.

The City encompasses approximately 1.6 square miles in southeast Los Angeles County. The City is a suburban jurisdiction with a mix of residential densities, although low-density residential uses predominate. The City also contains a mix of retail commercial, office, and industrial uses.

The General Plan land use designation for the ABCSP area is Gateway Community Commercial, except for two parcels southeast of the Roseton Avenue at Artesia Boulevard intersection (within ABCSP's Quadrant 4), which are designated Low Density Residential.[1] The Gateway Community Commercial designation provides for a complementary mix of job-creating industrial, manufacturing uses, and local/regional-serving commercial retail and office uses.[2] The Low Density Residential designation, which is the City's predominant land use designation, is characterized by single-family, detached units.[3]

The Project site is in ABCSP Quadrant 2. Quadrant 2 is comprised of five parcels with four unique landowners. Quadrant 2 supports a variety of commercial, retail, and industrial uses. Existing uses include a Public Storage complex, a small industrial building, and a retail center that was redeveloped in 2004. The Project site comprises the eastern portion of Quadrant 2.

[1] City of Artesia. (2010). *City of Artesia General Plan 2030*. Exhibit LU-3: General Plan 2030 Land Use. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.
[2] City of Artesia. (2010). *City of Artesia General Plan 2030*. Land Use Sub-Element. Page LU-10. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.
[3] City of Artesia. (2010). *City of Artesia General Plan 2030*. Land Use Sub-Element. Page LU-9. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.

The Project site is currently vacant. California Dairies, Inc., a dairy manufacturing plant totaling approximately 27,290 gross square feet (SF) occupied the Project site until it was demolished in 2022. All existing onsite utility connections remain capped and abandoned. The Project site is generally surrounded by residential, business park, commercial, and light industrial land uses.

1.2 Project Description

The Project proposes construction and operation of a mixed-use development comprised of 80 dwelling units (DU) and approximately 11,257 GSF of non-residential (commercial and office) land uses, as described below. To allow the proposed development, the Applicant proposes to amend the ABCSP. The proposed Zoning Code Text Amendment (Specific Plan Amendment) would amend the ABCSP to permit residential uses on the Project site, establish a maximum allowable development within the Project site, and amend the ABCSP's Design Standards and Guidelines (among other chapters). In addition to the Zoning Code Text Amendment, the Project seeks approval of the following entitlements: a General Plan Amendment; Design Review; Development Agreement; Vesting Tentative Tract Map No. 83834; and CEQA EIR certification.

The Project would construct a mixed-use development generally comprised of two portions – a commercial portion and a residential portion – connected by pedestrian walkways. **Figure 4: Conceptual Site Plan**, depicts the proposed land plan. In total, the Project proposes 80 DU and approximately 11,257 GSF of non-residential (commercial and office) land uses, including the components summarized in **Table 1: Project Development Summary** below:

Table 1: Project Development Summary

Land Use	Residential (DU)	Non-Residential (GSF)			
		Office	Restaurant	Retail	Total
Townhomes	59				
Mixed-Use Carriage Townhomes (Commercial Ground Floor)	4		1,725	1,725	*3,450*
Shopkeeper Units (Commercial Condominiums with Townhomes above)	8		1,332	1,332	*2,664*
Commercial			1,350	1,350	*2,700*
Live/Work Townhomes	9	2,443			*2,443*
Total	***80***	***2,443***	***4,407***	***4,407***	***11,257***

DU = dwelling units; GSF = gross square feet

The following proposed land uses would be developed at a density of 23.2 dwelling units per acre (DU/AC) and floor area ratio (FAR) of 1.21:

- Townhomes: 10 buildings with 59 three-story townhome units.
- Mixed-Use Carriage Townhomes: One mixed-use building with approximately 3,450 GSF of commercial uses on the ground level and 4 carriage-type townhome units above;
- Shopkeeper Units: Two buildings with 8 commercial condominiums totaling approximately 2,664 GSF on the ground level and 8 townhome units above;
- Commercial: One building with approximately 2,700 GSF of commercial uses; and
- Live/Work Townhomes: Two buildings with approximately 2,443 GSF of office uses and 9 townhome units.

The Project is designed to be a mixed-use, pedestrian-oriented, and placemaking development with various commercial opportunities. The various buildings are linked by a central pedestrian walkway through a series of landscaped courtyards. The Project site is divided into two portions: the northern portion is bisected by the central pedestrian walkway, pool, and pool building and consists of traditional paseo rowtown-inspired residential clustering around a recreation area; and the southern portion fronting Artesia Boulevard consists of the urban commercial mixed-use buildings.

The Project site is designated Gateway Community Commercial.[4] As noted above, Gateway Community Commercial designation provides for a complimentary mix of job-creating industrial and manufacturing uses, and local/regional-serving commercial retail and office uses. The City's Zoning Map classifies the Project site as Artesia Boulevard Corridor Specific Plan (ABCSP).[5] The ABCSP establishes the City's vision for a 21-acre area along Artesia Boulevard, between Gridley Road and Pioneer Boulevard. For Quadrant 2 of the ABSCP area, the City's primary goal is to establish a retail, commercial, and industrial center.

[4] City of Artesia. (2010). *City of Artesia General Plan 2030*. Exhibit LU-3: General Plan 2030 Land Use. http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=.

[5] City of Artesia. (2019). *Zoning Map*. https://www.cityofartesia.us/DocumentCenter/View/1877/Zoning-Map-January-7-2019?bidId=.

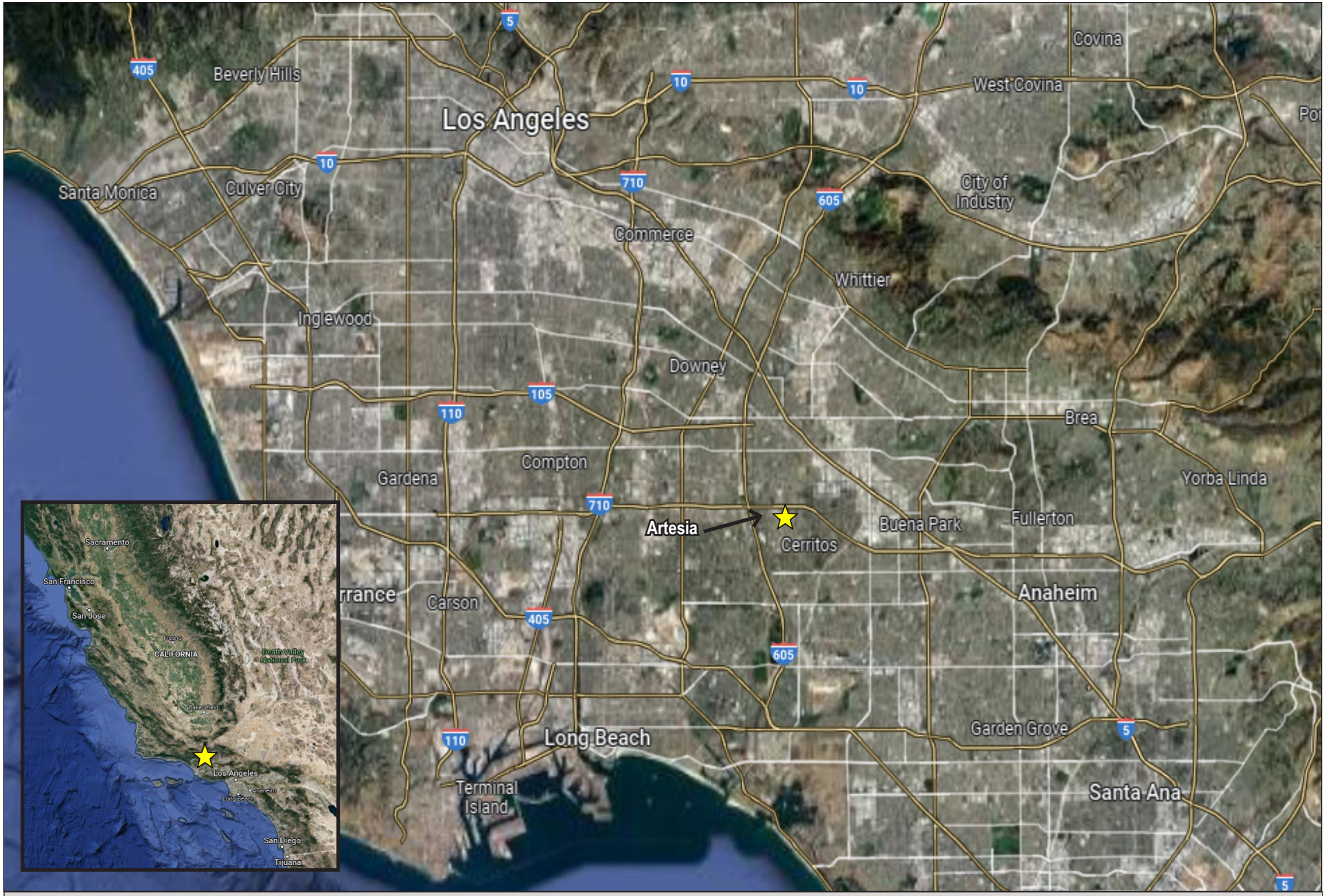


FIGURE 1: REGIONAL VICINITY MAP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

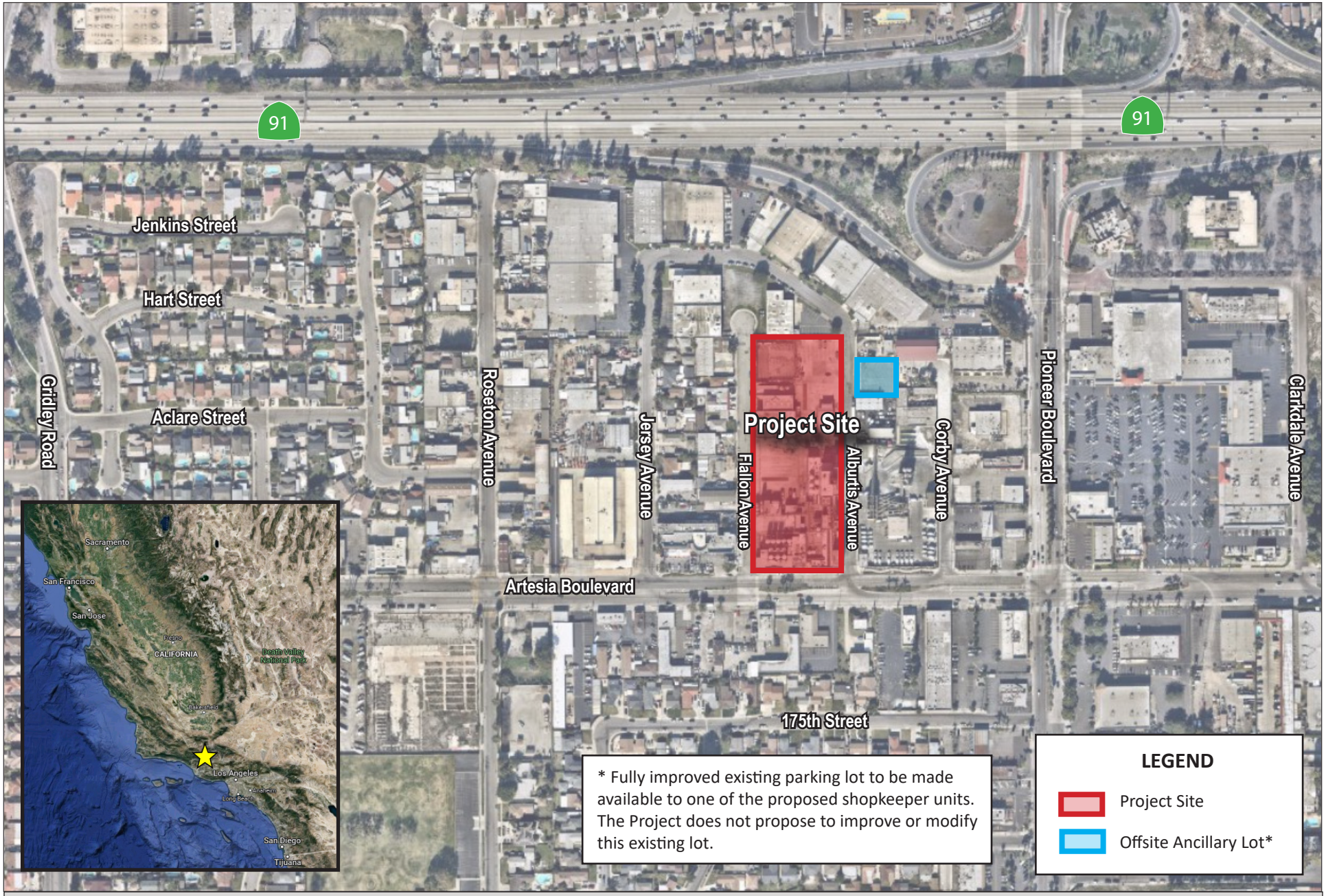


FIGURE 2: LOCAL VICINITY MAP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

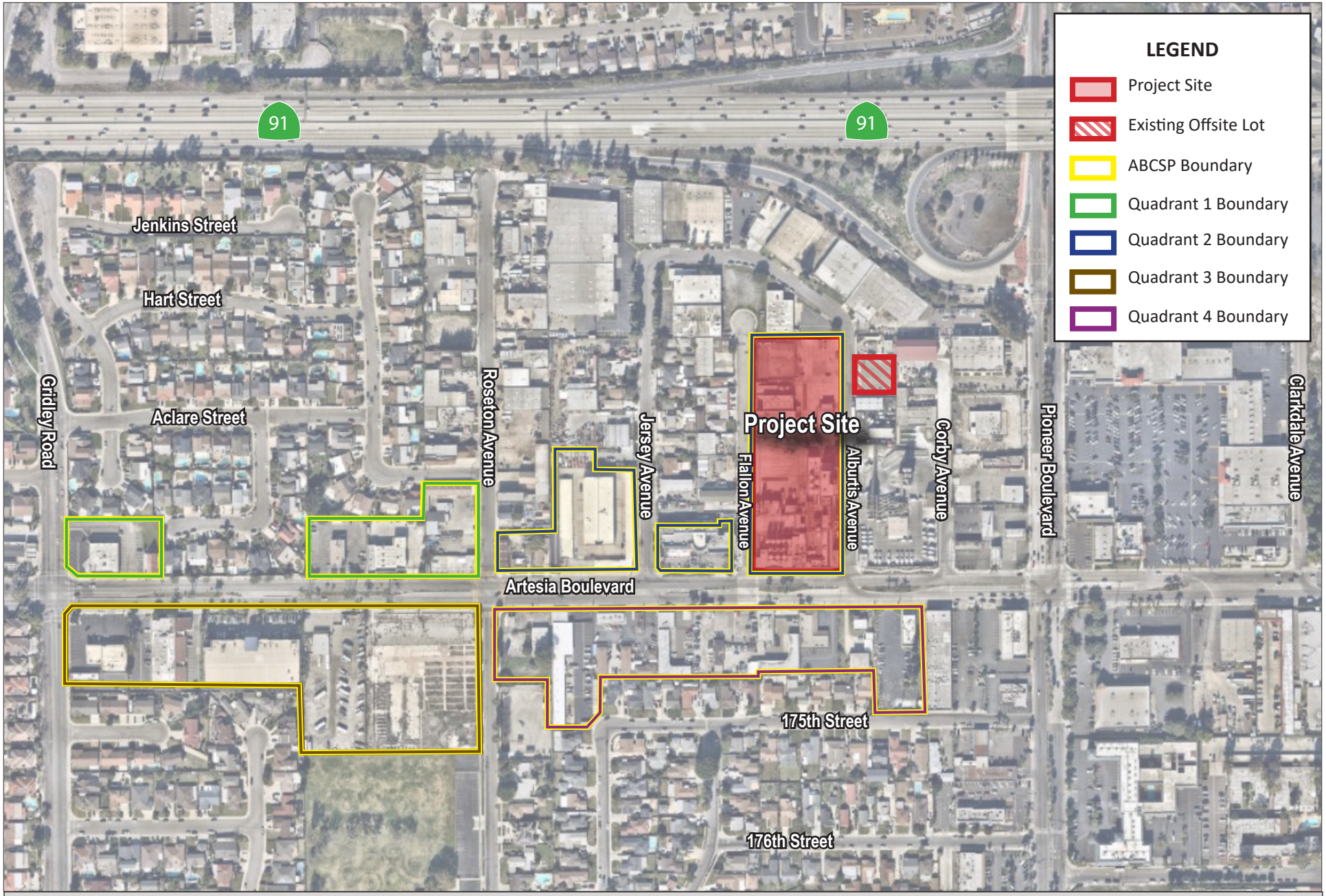
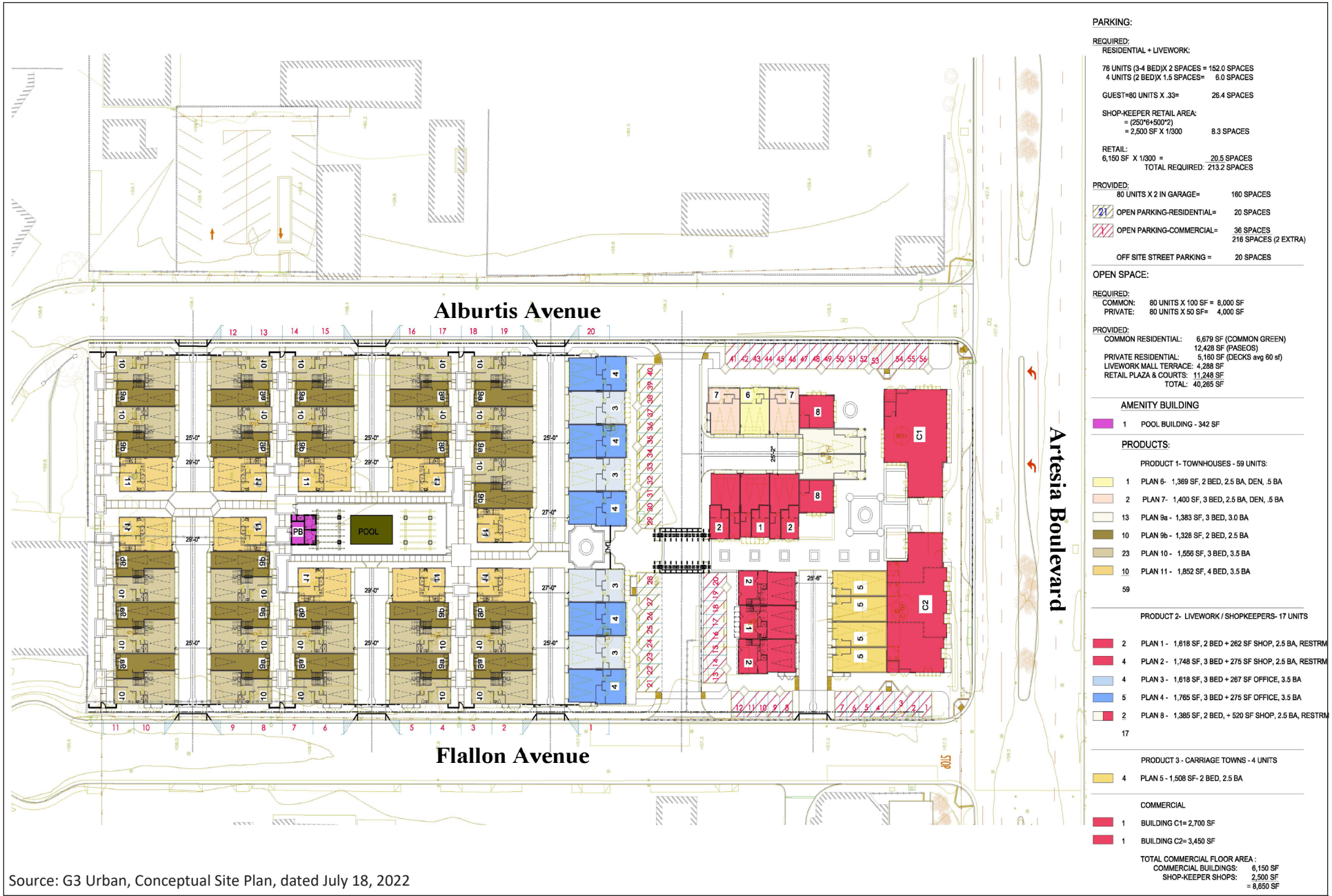


FIGURE 3: PROJECT SITE BOUNDARY WITHIN ABCSP

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn



Source: G3 Urban, Conceptual Site Plan, dated July 18, 2022

FIGURE 4: CONCEPTUAL SITE PLAN

Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

2 ACOUSTIC FUNDAMENTALS

2.1 Sound and Environmental Noise

Acoustics is the science of sound. Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a medium (e.g., air) to human (or animal) ear. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or hertz (Hz).

Noise is defined as loud, unexpected, or annoying sound. In acoustics, the fundamental model consists of a noise source, a receptor, and the propagation path between the two. The loudness of the noise source, obstructions, or atmospheric factors affecting the propagation path, determine the perceived sound level and noise characteristics at the receptor. Acoustics deal primarily with the propagation and control of sound. A typical noise environment consists of a base of steady background noise that is the sum of many distant and indistinguishable noise sources. The sound from individual local sources is superimposed on this background noise. These sources can vary from an occasional aircraft or train passing by to continuous noise from traffic on a major highway. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a large range of numbers. To avoid this, the decibel (dB) scale was devised. The dB scale uses the hearing threshold of 20 micropascals (µPa) as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The dB scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels correspond closely to human perception of relative loudness. **Table 2: Typical Noise Levels** provides typical noise levels.

Table 2: Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	– 110 –	Rock Band
Jet fly-over at 1,000 feet		
	– 100 –	
Gas lawnmower at 3 feet		
	– 90 –	
Diesel truck at 50 feet at 50 miles per hour		Food blender at 3 feet
	– 80 –	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	**– 70 –**	Vacuum cleaner at 10 feet
Commercial area		Normal Speech at 3 feet
Heavy traffic at 300 feet	**– 60 –**	
		Large business office
Quiet urban daytime	**– 50 –**	Dishwasher in next room
Quiet urban nighttime	**– 40 –**	Theater, large conference room (background)
Quiet suburban nighttime		
	– 30 –	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	– 20 –	
		Broadcast/recording studio
	– 10 –	
Lowest threshold of human hearing	**– 0 –**	Lowest threshold of human hearing

Source: California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, September 2013.

Noise Descriptors

The dB scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. The equivalent noise level (L_{eq}) represents the continuous sound pressure level over the measurement period, while the day-night noise level (L_{dn}) and Community Equivalent Noise Level (CNEL) are measures of energy average during a 24-hour period, with dB weighted sound levels from 7:00 p.m. to 7:00 a.m. Most commonly, environmental sounds are described in terms of L_{eq} that has the same acoustical energy as the summation of all the time-varying events. Each is applicable to this analysis and defined in **Table 3: Definitions of Acoustical Terms**.

Table 3: Definitions of Acoustical Terms

Term	Definitions
Decibel (dB)	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in µPa (or 20 micronewtons per square meter), where 1 pascals is the pressure resulting from a force of 1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in dB as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g., 20 µPa). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency (Hz)	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level (dBA)	The sound pressure level in dB as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level (L_{eq})	The average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
Maximum Noise Level (L_{max}) Minimum Noise Level (L_{min})	The maximum and minimum dBA during the measurement period.
Exceeded Noise Levels (L_{01}, L_{10}, L_{50}, L_{90})	The dBA values that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day-Night Noise Level (L_{dn})	A 24-hour average L_{eq} with a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity at nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn}.
Community Noise Equivalent Level (CNEL)	A 24-hour average L_{eq} with a 5 dBA weighting during the hours of 7:00 a.m. to 10:00 a.m. and a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.7 dBA CNEL.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

The A-weighted decibel (dBA) sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Because sound levels can vary markedly over a short period of time, a method for describing either the sound's average character or the variations' statistical behavior must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The predicted models' accuracy depends on the distance between the noise receptor and noise source.

A-Weighted Decibels

The perceived loudness of sounds is dependent on many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by dBA values. There is a strong correlation between dBA and the way the human ear perceives sound. For this reason, the dBA has become the standard tool of environmental noise assessment. All noise levels reported in this document are in terms of dBA, but are expressed as dB, unless otherwise noted.

Addition of Decibels

The dB scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic dB is A-weighted, an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound.[6] When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dBA higher than one source under the same conditions.[7] Under the dB scale, three sources of equal loudness together would produce an increase of approximately 5 dBA.

Sound Propagation and Attenuation

Sound spreads (propagates) uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB for each doubling of distance from a stationary or point source. Sound from a line source, such as a highway, propagates outward in a cylindrical pattern. Sound levels attenuate at a rate of approximately 3 dB for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics.[8] No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed.

Noise levels may also be reduced by intervening structures; generally, a single row of buildings between the noise receptor and noise source reduces the noise level by about 5 dBA, while a solid wall or berm

[6] *Noise Sources and Their Effects*. Available at: https://www.chem.purdue.edu/chemsafety/Training/PPETrain/dblevels.htm
[7] FHWA, *Noise Fundamentals,* 2017. Available at: https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm
[8] California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, Page 2-29, September 2013.

reduces noise levels by 5 to 10 dBA.[9] The way older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. The exterior-to-interior reduction of newer residential units is generally 30 dBA or more.

Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA.[10] Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semi-commercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in dBA, the following relationships should be noted[11]:

- Except in carefully controlled laboratory experiments, a 1-dBA change cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A minimum 5-dBA change is required before any noticeable change in community response would be expected. A 5-dBA increase is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

Effects of Noise on People

Hearing Loss. While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise. The Occupational Safety and Health Administration (OSHA) has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA

[9] James P. Cowan, *Handbook of Environmental Acoustics,* 1994.
[10] Compiled from James P. Cowan, *Handbook of Environmental Acoustics,* 1994 and Cyril M. Harris, Handbook of Noise Control, 1979.
[11] Compiled from California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, September 2013, and FHWA, *Noise Fundamentals,* 2017.

averaged over 8 hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

Annoyance. Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. A noise level of about 55 dBA L_{dn} is the threshold at which a substantial percentage of people begin to report annoyance.[12]

2.2 Groundborne Vibration

Sources of groundborne vibrations include natural phenomena (earthquakes, volcanic eruptions, sea waves, landslides, etc.) or man-made causes (explosions, machinery, traffic, trains, construction equipment, etc.). Vibration sources may be continuous (e.g., factory machinery) or transient (e.g., explosions or heavy equipment use during construction). Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. The RMS velocity is defined as the average of the squared amplitude of the signal. The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

Table 4: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations, displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the indivisual's sensitivity. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be perceptible. Common sources for groundborne vibration are planes, trains, and construction activities such as earth-moving which requires the use of heavy-duty earth moving equipment. For the purposes of this analysis, a PPV descriptor with units of inches per second (in/sec) is used to evaluate construction-generated vibration for building damage and human complaints.

[12] Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, August 1992.

Table 4: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations

Maximum PPV (in/sec)	Vibration Annoyance Potential Criteria	Vibration Damage Potential Threshold Criteria	FTA Vibration Damage Criteria
0.008	--	Extremely fragile historic buildings, ruins, ancient monuments	--
0.01	Barely Perceptible	--	--
0.04	Distinctly Perceptible	--	--
0.1	Strongly Perceptible	Fragile buildings	--
0.12	--	--	Buildings extremely susceptible to vibration damage
0.2	--	--	Non-engineered timber and masonry buildings
0.25	--	Historic and some old buildings	--
0.3	--	Older residential structures	Engineered concrete and masonry (no plaster)
0.4	Severe	--	--
0.5	--	New residential structures, Modern industrial/commercial buildings	Reinforced-concrete, steel or timber (no plaster)

PPV = peak particle velocity; in/sec = inches per second; FTA = Federal Transit Administration

Source: California Department of Transportation, *Transportation and Construction Vibration Guidance Manual*, 2020 and Federal Transit administration, *Transit Noise and Vibration Assessment Manual*, 2018.

3 REGULATORY SETTING

To limit population exposure to physically or psychologically damaging as well as intrusive noise levels, the Federal government, the State of California, various county governments, and most municipalities in the State have established standards and ordinances to control noise.

3.1 State of California

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 CNEL and "conditionally acceptable" up to 70 CNEL. Multiple-family residential uses are "normally acceptable" up to 65 CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 CNEL, as are office buildings and business, commercial, and professional uses.

Title 24 – Building Code

The State's noise insulation standards are codified in the California Code of Regulations, Title 24: Part 1, Building Standards Administrative Code, and Part 2, California Building Code. These noise standards are applied to new construction in California for interior noise compatibility from exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential buildings, schools, hotel rooms, or hospitals, are located near major transportation noise sources, and where such noise sources create an exterior noise level of 65 dBA CNEL or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new multi-family residential buildings and habitable rooms (including hotels), the acceptable interior noise limit for new construction is 45 dBA CNEL.

3.2 Local

City of Artesia General Plan

The *City of Artesia General Plan 2030* (Artesia General Plan) Noise Sub-Element has determined a number of policies that are directed at controlling or mitigating environmental noise effects. **Table 5: Noise and Land Use Compatibility Matrix** illustrates the California State guidelines established by the State Department of Health Services for acceptable noise levels for each county and city. These standards and criteria are incorporated into the City's land use planning process to reduce future noise and land use incompatibilities. **Table 5** is the primary tool that allows the City to ensure integrated planning for compatibility between land uses and outdoor noise.[13]

[13] City of Artesia, *City of Artesia General Plan 2030,* 2010.

Table 5: City of Artesia Noise and Land Use Compatibility Matrix				
Land Use Category	**Community Noise Exposure (CNEL dB)**			
	Normally Acceptable	**Conditionally Acceptable**	**Normally Unacceptable**	**Clearly Unacceptable**
Single Family, Duplex, Mobile Homes	50 - 60	55 - 70	70 - 75	75 - 85
Multi-Family Homes	50 - 65	60 - 70	70 - 75	70 - 85
Schools, Libraries, Churches, Hospitals, Nursing Homes	50 - 70	60 - 70	70 - 80	80 - 85
Transient Lodging - Motels, Hotels	50 - 65	60 - 70	70 - 80	80 - 85
Auditoriums, Concert Halls, Amphitheaters	-	50 - 70	-	65 - 85
Sports Arena, Outdoor Spectator Sports	-	50 - 75	-	70 - 85
Playgrounds, Neighborhood Parks	50 - 70	-	67.5 – 75	72.5 -85
Golf Courses, Riding Stables, Water Recreation, Cemeteries	50 - 70	-	70 - 80	80 - 85
Office Buildings, Business and Professional Commercial	50 - 70	67.5 – 77.5	75 - 85	-
Industrial, Manufacturing, Utilities, Agriculture	50 - 75	70 - 80	75 - 85	-
Notes: Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements. Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice. Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design. Clearly Unacceptable: New construction or development should generally not be undertaken.				
Source: City of Artesia, *City of Artesia General Plan 2030*, Noise Element, 2010				

The following goals and policies from the Noise Sub-Element are applicable to the Project:

Goal N 1: Land use planning decisions, including planning for new development, consider noise impacts.

Policy N 1.1 Permit only those new development or redevelopment projects that have incorporated appropriate mitigation measures, so that standards contained in the Noise Sub-Element or adopted ordinances are met.

Policy N 1.2 Consider noise impacts associated with the development of non-residential uses in the vicinity of residential uses.

Policy Action N 1.1.2 Require a noise impact evaluation for projects, if determined necessary through the environmental review process. If noise abatement is found

necessary, require implementation mitigation measures based on a technical study prepared by a qualified acoustical professional.

Policy Action N 1.1.3 Implement noise mitigation by placing conditions of approval on development projects and require a clear description of mitigation on subdivision maps, site plans, and building plans for inspection purposes.

Policy N 1.2 Consider noise impacts associated with the development of non-residential uses in the vicinity of residential uses.

Policy Action N 1.2.1 Require that any proposed development near existing residential land uses demonstrate compliance with the City's Noise Ordinance prior to the approval of the project.

Goal N 2: Noise impacts from transportation sources are minimized.

Goal N 4: Noise impacts to noise sensitive receptors are minimized, ensuring that City and State interior and exterior noise levels are not exceeded.

Policy N 1.1 Ensure Community Noise Equivalent Levels (CNEL) for noise sensitive land uses meet normally acceptable levels, as defined by State standards.

Policy Action N 4.1.1 Require buffers or appropriate mitigation of potential noise sources on noise sensitive areas.

City of Artesia Municipal Code

The City of Artesia has established citywide interior and exterior noise level standards in a comprehensive Noise Ordinance within the *Artesia Municipal Code* (AMC). The purpose of the Ordinance is to control loud, unnecessary, and unusual noises, sounds, or vibrations emanating from areas of the City. The Noise Ordinance (AMC Title 5, Chapter 2: Noise) establishes daytime and nighttime permissible sound limits or levels for all residentially zoned properties in the City as well as prohibited noises.[14]

Section 5-2.03 Permissible Exterior Sound Limits or Levels

A. The noise, sound or vibration limits or levels imposed by this section shall apply to all residentially zoned properties in the City.

B. Except as otherwise allowed in AMC Chapter 2 Noise, no person, from any location within the City, shall create or allow the creation of noise, sound or vibration on any property owned, leased, occupied, or other controlled by such person, which causes the noise level on any residential property to exceed the greater of either the actual measured ambient noise level, or the following ambient noise level for a cumulative period of more than thirty (30) minutes in any hour as measured at any property line:

[14] City of Artesia, *City of Artesia General Plan 2030 – Noise Sub-Element,* http://www.cityofartesia.us/DocumentCenter/View/226/Artesia-General-Plan?bidId=, accessed July 12, 2022.

Table 6: Permitted Exterior Noise Level	
Time Period	**Noise Level**
7:00 a.m. – 10:00 p.m.	55 dB(A)
10:00 p.m. – 7:00 a.m.	50 dB(A)

If the alleged offensive noise consists entirely of impact noise, simple tone noise, speech, music, or any combination thereof, the permissible noise level set forth above shall be reduced by five (5) dB(A).

C. If the intruding noise source is continuous and cannot be reasonably discontinued for sufficient time in which the ambient noise level can be determined, the presumed ambient noise level shall be used.

D. Increases in noise levels prescribed in this section are permitted in accordance with the following:

Table 7: Permitted Increase in Exterior Noise Level	
Increase in Noise Level	**Duration of Increase in Minutes Per Hour**
5 dB(A)	15
10 dB(A)	5
15 dB(A)	1
20 dB(A)	Less than one minute

Section 5-2.04 Permissible Interior Sound Limits or Levels

A. The noise, sound or vibration limits or levels imposed by this section shall apply to all interior spaces within buildings or structures on residentially zoned properties in the City.

B. Except as otherwise allowed in this chapter, no person, from any location within the City, shall create or allow the creation of noise, sound or vibration on any property owned, leased, occupied, or other controlled by such person, which causes the noise level on any residential property to exceed the greater of either the actual measured ambient noise level, or the following ambient noise level for a cumulative period of more than five (5) minutes in any hour:

Table 8: Permitted Interior Noise Level	
Time Period	**Noise Level**
7:00 a.m. – 10:00 p.m.	55 dB(A)
10:00 p.m. – 7:00 a.m.	45 dB(A)

If the alleged offensive noise consists entirely of impact noise, simple tone noise, speech, music, or any combination thereof, the permissible noise level set forth above shall be reduced by five (5) dB(A).

C. If the intruding noise source is continuous and cannot be reasonably discontinued for sufficient time in which the ambient noise level can be determined, the presumed ambient noise level shall be used.

D. Increases in noise levels prescribed in this section are permitted in accordance with the following:

Table 9: Permitted Increase in Interior Noise Level	
Increase in Noise Level	**Duration of Increase in Minutes Per Hour**
5 dB(A)	1
10 dB(A)	Less than one minute

Section 5-2.05 – Prohibited Noises—General Standard

Notwithstanding any other provision of this chapter, and in addition thereto, it is unlawful for any person to willfully make or continue, or cause to be made or continued, any loud, unnecessary, or unusual noise, sound or vibration which unreasonably disturbs the peace and quiet of any neighborhood or which causes discomfort or annoyance to any reasonable person of normal sensitiveness residing in the area. The factors which shall be considered in determining whether such noise violates the provisions of this section shall include, but not be limited to, the following:

a. The volume of the noise;
b. The intensity of the noise;
c. Whether the nature of the noise is usual or unusual;
d. Whether the origin of the noise is natural or unnatural;
e. The volume and intensity of the background noise, if any;
f. The proximity of the noise to residential sleeping facilities;
g. The nature and zoning of the area within which the noise emanates;
h. The density of the inhabitation of the area within which the noise emanates;
i. The time of the day or night the noise occurs;
j. The duration of the noise;
k. Whether the noise is recurrent, intermittent, or constant; and
l. Whether the noise is produced by a commercial or noncommercial activity. (Ord. 599, § 1)

Section 5-2.06 Prohibited Noises – Specific Violations

Except as set forth in Section 5-2.07 of AMC Chapter 2 Noise, the following act and the causing or permitting thereof, is specifically declared to be a violation of AMC Chapter 2:

A. *Radios, Phonographs, Etc.* The using, operating or permitting to be played used or operated between the hours of 10:00 p.m. and 7:00 a.m. of any radio, musical instrument, phonograph, television set, or instrument or device similar to those heretofore specifically mentioned (hereinafter "device") for the production or reproduction of sound in volume sufficiently loud as to be plainly audible at a distance of fifty (50) feet or more from the property line of the property from which the noise, sound or vibration is emanating, and the using, operating or permitting to be played, used or operated between the hours of 7:00 a.m. and 10:00 p.m. of any such device for the production or reproduction of sound in volume sufficiently loud as to be plainly audible at a distance of two hundred (200) feet or more from the property line of the property from which the noise, sound or vibration is emanating.

B. *Band or Orchestral Rehearsals.* The conducting of or carrying on, or allowing the conducting or carrying on of band or orchestral concerts or rehearsals or practice between the hours of 10:00 p.m. and 7:00 a.m. sufficiently loud as to be plainly audible at a distance of fifty (50) feet or more from the property line of the property where the concert, rehearsal or practice is occurring, and

the conducting of or carrying on, or allowing the conducting or carrying on of band or orchestral concerts or rehearsals or practice between the hours of 7:00 a.m. and 10:00 p.m. sufficiently loud as to be plainly audible at a distance of two hundred (200) feet or more from the property line of the property where the concert, rehearsal or practice is occurring.

C. *Engines, Motors and Mechanical Devices Near Residential District*. The sustained, continuous or repeated operation or use between the hours of 8:00 p.m. and 7:00 a.m. of any motor or engine or the repair, modification, reconstruction, testing or operation of any automobile, motorcycle, machine, contrivance, or mechanical device or other contrivance or facility unless such motor, engine, automobile, motorcycle, machine or mechanical device is enclosed within a sound insulated structure so as to prevent noise and sound from being plainly audible at: (1) a distance of fifty (50) feet or more from the property line of the property from which the noise, sound or vibration is emanating or (2) the exterior wall of any adjacent residence, whichever is less.

D. *Motor Vehicles*. Racing the engine of any motor vehicle or needlessly bringing to a sudden start or stop of any motor vehicle.

E. *Loading and Unloading*. Loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans or similar objects between the hours of 8:00 p.m. and 7:00 a.m. in volume sufficiently loud as to be plainly audible at a distance of fifty (50) feet or more from the property line of the property where the activity is occurring.

F. *Construction*. Operating or causing the operation of any tools, equipment, impact devices, derricks or hoists used on construction, drilling, repair, alteration, demolition or earthwork, between the hours of 7:00 p.m. and 7:00 a.m. on weekdays or at any time on Sunday or Federal holiday.

G. *Nonemergency Signaling Devices*. Sounding or permitting the sounding of any bell, chime, siren, whistle or similar device, intended primarily for nonemergency purposes between the hours of 8:00 p.m. and 7:00 a.m. Sound sources included within this provision may be exempted by a variance issued by the Planning Commission

H. *Emergency Signaling Devices*

(1) The intentional sounding, or permitting the sounding, outdoors of any emergency signaling device including fire, burglar, civil defense alarm, siren, whistle or similar emergency signaling device, for testing, except as provided in Subsection 5-2.06(h)(2).

(2) Testing of an emergency signaling device shall not occur between the hours of 8:00 p.m. and 7:00 a.m. Any such testing shall use only the minimum cycle test time. In no case shall such test time exceed sixty (60) seconds. Testing of the emergency signaling system shall not occur more than once in each calendar month.

(3) Sounding or permitting the sounding of any exterior burglar or fire alarm unless such alarm is terminated within fifteen (15) minutes of activation.

(4) Sounding or permitting the sounding of any motor vehicle alarm unless such alarm is terminated within five (5) minutes of activation.

(5) Sounding or permitting the sounding of any motor vehicle alarm more than three (3) times of any duration in any twenty-four (24) hour period.

I. *Commercial Establishments Adjacent to Residential Property.* Continuous, repeated or sustained noise, sound or vibration from the premises of any commercial establishment, including any outdoor area that is a part or under the control of the establishment, which is licensed by the City and is adjacent to one or more residential dwelling units, between the hours of 10:00 p.m. and 7:00 a.m., that is plainly audible from the exterior wall of the adjacent residential dwelling unit

J. *Leaf Blowers.* The use or operation or allowing the use or operation of any leaf blower, as defined and regulated in Chapter 12 of Title 5 of this Code, between the hours of 8:00 p.m. and 8:00 a.m. of the next day. (Ord. 599, § 1)

Section 5-2.07 – Exemptions.

The following activities shall be exempted from the AMC Chapter 5.2 (Noise):

A) Outdoor events, such as gatherings, fairs, bazaars, festivals and similar events if and to the extent the events are conducted pursuant to a temporary use permit issued by the City.

B) The emission of sound for the purpose of alerting persons to the existence of an emergency or the emission of sound in the performance of emergency work. For the purposes of this section, "emergency" means a condition that constitutes an immediate threat to public safety, health or welfare or to property.

C) Noise sources associated with the maintenance of real property such as the operation of any mechanically powered saw, sander, drill, grinder, lawn or garden tool or similar tool, provided such activities take place between 7:00 a.m. and 7:00 p.m. on weekdays and the hours of 9:00 a.m. and 6:00 p.m. on weekends and holidays.

D) Any activity to the extent regulation thereof has been preempted by State or Federal law.

E) Activities of the Federal, State or local jurisdiction while performing governmental duties.

F) Warning devices necessary for the protection of public safety as for example, police, fire and ambulance sirens and train horns.

G) Activities conducted on public playgrounds, public or private school grounds including, but not limited to, school athletic and school entertainment events and band or orchestral rehearsals for school athletic or school entertainment events.

4 EXISTING CONDITIONS

4.1 Existing Noise Sources

The Project site and surrounding area are impacted by various mobile and stationary noise sources, as described below. Artesia Boulevard located to the south of the Project site and the concrete mixing plant located to the east are the primary noise sources in the Project vicinity.

Mobile Sources

Traffic along Artesia Boulevard to the south, Alburtis Avenue to the east, and Flallon Avenue to the west are the most common and prominent mobile noise sources in the Project area. Existing roadway noise levels were calculated for these roadway segments in the Project vicinity. These calculations were accomplished using the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108) and traffic data from the Project's Traffic Impact Analysis (Kimley-Horn and Associates, August 2022). The noise prediction model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway geometry, and site environmental conditions. The average vehicle noise rates (also referred to as energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by the California Department of Transportation (Caltrans). The Caltrans data indicates that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels. The average daily noise levels along roadway segments near the Project site are included in **Table 10: Existing Traffic Noise Levels**. As shown in **Table 10**, existing traffic noise levels in the Project vicinity range between 50.2 dBA CNEL and 64.2 dBA CNEL.

Table 10: Existing Traffic Noise Levels

Roadway Segment	ADT	dBA CNEL[1]
Artesia Boulevard		
West of Flallon Ave	16,169	64.1
East of Flallon Ave &	16,295	64.2
West of Alburtis Ave	16,295	64.2
East of Alburtis Ave	16,543	64.2
Flallon Avenue		
North of Artesia Blvd	16,700	50.3
Alburtis Avenue		
North of Artesia Blvd	19,900	50.2
ADT = average daily trips; dBA = A-weighted decibels; CNEL= Community Equivalent Noise Level		
Notes: 1. Traffic noise levels are at 100 feet from the roadway centerline.		
Source: Based on traffic data provided by Kimley-Horn and Associates, Inc., August 2022. Refer to **Appendix B: Noise Modeling Data** for traffic noise modeling results.		

Stationary Sources

The primary stationary noise sources near the Project site are from industrial uses, including the concrete mixing plant located to the east, parking lot activity (e.g., automobile related noise such as cars starting and doors slamming, engines starting), mechanical equipment (e.g., heating, ventilation, and air

conditioning [HVAC] units), and truck activity noise at nearby commercial and industrial properties, and other urban-related activities (e.g., idling cars/trucks, pedestrians, car radios and music playing, dogs barking, etc.). The noise associated with these sources may represent a single-event noise occurrence or short-term noise. In addition, existing stationary noise sources from the residential uses to the south and west of the Project site include mechanical equipment such as HVAC units and landscaping equipment. The noise associated with these sources may represent a single-event noise occurrence or short-term noise.

4.2 Noise Measurements

To quantify existing ambient noise levels in the Project area, Kimley-Horn conducted four short-term (10-minute) noise measurements on June 29, 2022, and one short-term noise measurement on March 8, 2023. In addition, one long-term noise measurement (24 hours) was conducted at the Project site starting on March 8, 2023 and ending on March 9, 2023; see **Appendix A: Existing Ambient Noise Measurements**. The noise measurement sites were representative of typical existing noise exposure within and immediately adjacent to the Project site. The average noise levels and noise sources measured at each location are listed in **Table 11: Existing Noise Measurements** and the noise measurement locations are shown on **Figure 5: Noise Measurement Locations**.

Table 11: Existing Noise Measurements[1]

Site ID[2]	Location	Time	Date	Duration	L_{min} (dBA)	L_{max} (dBA)	L_{eq} (dBA)	dBA CNEL
ST-1	On 175th Street in residential neighborhood, south of the Project site.	9:15 a.m.	06/29/22	10 Minutes	46.4	74.8	54.5	-
ST-2	West side of Flallon Avenue, directly west of the Project site.	9:38 a.m.	06/29/22	10 Minutes	51.7	71.1	57.4	-
ST-3	South of Alburtis Avenue, north of the Project site.	9:50 a.m.	06/29/22	10 Minutes	55.8	74.3	62.2	-
ST-4	Along Artesia Boulevard, southeast of the Project site near 11714 Artesia Boulevard.	10:13 a.m.	06/29/22	10 Minutes	53.4	82.6	68.3	-
ST-5	At Alburtis Avenue adjacent to the concrete mixing plant situated east of the Project site.	9:57 a.m.	03/08/23	10 Minutes	57.9	89.8	68.5	-
LT-1	At the Project site's eastern/Alburtis Avenue boundary, across from the concrete mixing plant situated east of the Project site.	9:45 a.m.	03/8/23 to 03/09/23	24 hours	43.0	91.6	67.8	71.2

Notes:
1. Noise measurements taken by Kimley-Horn, June 29, 2022, and March 8-9, 2023; see **Appendix A: Existing Ambient Noise Measurements** for noise measurement results.
2. The Site ID (Identification Number) correlates with labels on **Figure 5: Noise Measurement Locations**.

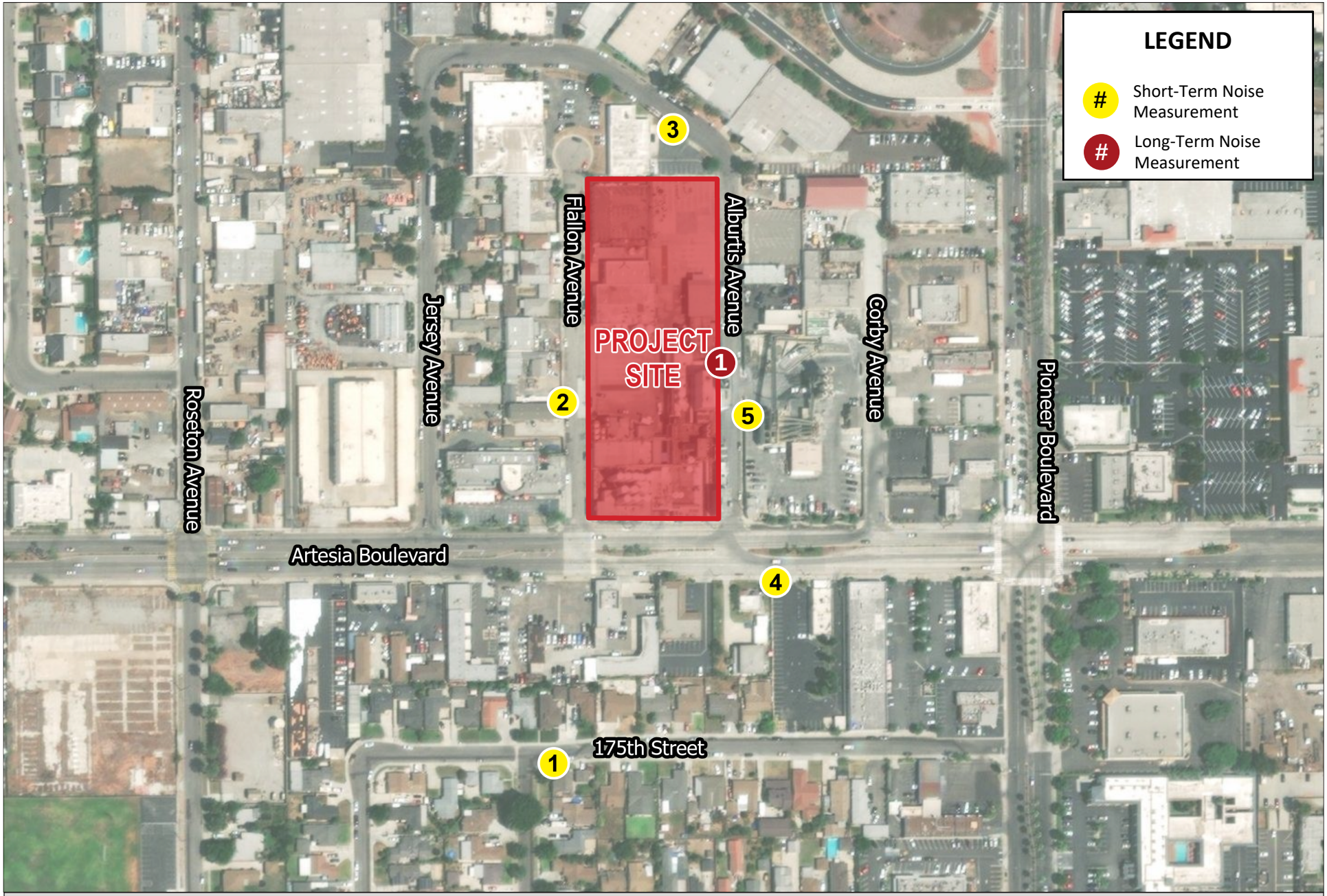


FIGURE 5: NOISE MEASUREMENT LOCATIONS
Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)

NOT TO SCALE

Kimley»Horn

4.3 Sensitive Receptors

Noise exposure standards and guidelines for various types of land uses reflect the varying noise sensitivities associated with each of these uses. Land uses considered sensitive receptors include residences, hospitals, schools, playgrounds, childcare facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. **Table 12: Sensitive Receptors** lists the noise-sensitive receptors nearest the Project Site. As shown in **Table 12**, the nearest sensitive receptors are live-work units adjacent/west of the Project site.

Table 12: Sensitive Receptors

Receptor Description	Distance and Direction from the Project
Single-family Residences	300 feet to the south
Live-Work Units	Adjacent to the west, 62 feet
Single-family Residences	760 feet to the north
Luther Burbank Elementary School	1,010 feet to the southwest

Notes:
1. Distances have been measured from the nearest Project site boundary to the property line of each receptor.

Source: Google Earth, 2022.

5 SIGNIFICANCE CRITERIA AND METHODOLOGY

5.1 CEQA Thresholds

State CEQA Guidelines Appendix G contains analysis guidelines related to noise and vibration. These guidelines have been used by the City to develop thresholds of significance for this analysis. A project would create a significant environmental impact if it would:

- Generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- Generate excessive groundborne vibration or groundborne noise levels; and
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the Project area to excessive noise levels.

5.2 Methodology

Construction

Construction noise levels were based on typical noise levels generated by construction equipment published by the Federal Transit Administration (FTA) and the Federal Highway Administration (FHWA). Construction noise is assessed in dBA L_{eq}. This unit is appropriate because L_{eq} can be used to describe noise level from operation of each piece of equipment separately, and levels can be combined to represent the noise level from all equipment operating during a given period.

Construction noise modeling was conducting using the FHWA Roadway Construction Noise Model (RCNM). For modeling purposes, construction equipment has been distributed evenly between the center of the construction site and the nearest noise-sensitive receptor. Noise level estimates do not account for the presence of intervening structures or topography, which may reduce noise levels at receptor locations. Therefore, the noise levels presented herein represent a conservative, reasonable worst-case estimate of actual temporary construction noise. The City of Artesia does not establish quantitative construction noise standards. As such, this analysis uses the FTA's threshold of 80 dBA (8-hour L_{eq}) for residential uses, 85 dBA (8-hour L_{eq}) for commercial uses, and 90 dBA (8-hour L_{eq}) for industrial uses to evaluate construction noise impacts.

Operations

The analysis of the Without Project and With Project noise environments is based on noise prediction modeling and empirical observations. Reference noise level data are used to estimate Project operational noise levels from stationary sources. Noise levels are collected from field noise measurements and other published sources from similar types of activities are used to estimate noise levels expected with the Project's stationary sources. The reference noise levels are used to represent a worst-case noise environment as noise levels from stationary sources can vary throughout the day. Operational noise is evaluated based on the City's Noise Ordinance and General Plan standards. Traffic noise impacts were assessed using methodologies consistent with the FHWA.

Vibration

Groundborne vibration levels associated with Project construction-related activities were evaluated utilizing typical groundborne vibration levels associated with construction equipment, obtained from FTA published data for construction equipment. Potential groundborne vibration impacts related to building/structure damage and interference with sensitive existing operations were evaluated, considering the distance from construction activities to nearby land uses and typically applied criteria.

Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on soil composition and underground geological layer between vibration source and receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment. For example, for a building that is constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 0.20 in/sec is considered safe and would not result in any vibration damage. Human annoyance is evaluated in vibration decibels (VdB) (the vibration velocity level in decibel scale) and occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. The *Transit Noise and Vibration Impact Assessment Manual* (FTA, 2018) (FTA Noise and Vibration Manual) identifies 80 VdB as the threshold for buildings where people normally sleep.

6 POTENTIAL IMPACTS AND MITIGATION

6.1 Acoustical Impacts

Threshold 6.1 Would the Project generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction Noise Levels

Construction noise typically occurs intermittently and varies depending on the construction activity's nature or phase (e.g., land clearing, grading, excavation, paving). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. During construction, exterior noise levels could affect noise-sensitive receptors near the construction site. However, it is noted that construction activities would occur throughout the Project site and would not be concentrated at a single point near noise-sensitive receptors.

Project construction activities would include demolition, site preparation, grading, building construction, paving, and architectural coating. Such activities may require:

- Industrial saws, excavators, and dozers for demolition;
- Dozers and tractors during site preparation;
- Excavators, graders, dozers, and tractors during grading;
- Cranes, forklifts, generators, tractors, and welders during building construction;
- Pavers, rollers, mixers, and paving equipment during paving; and
- Air compressors during architectural coating.

Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). Construction equipment noise, including earth movers, material handlers, and portable generators, can reach high levels. Typical noise levels associated with individual construction equipment are listed in **Table 13: Typical Construction Noise Levels**. It is noted that the noise levels shown in **Table 13** are maximum noise levels (i.e., the equipment engine at maximum speed). However, equipment used on construction sites typically operates under less than full power conditions, or part power.

Table 13: Typical Construction Noise Levels

Equipment	Typical Noise Level (dBA) at 50 feet from Source	Typical Noise Level (dBA) at 95 feet from Source
Air Compressor	80	74
Backhoe	80	74
Compactor	82	76
Concrete Mixer	85	77
Concrete Pump	82	76
Concrete Vibrator	76	79
Crane, Derrick	88	76
Crane, Mobile	83	70

Table 13: Typical Construction Noise Levels		
Equipment	**Typical Noise Level (dBA) at 50 feet from Source**	**Typical Noise Level (dBA) at 95 feet from Source**
Dozer	85	82
Generator	82	77
Grader	85	79
Impact Wrench	85	76
Jack Hammer	88	79
Loader	80	79
Paver	85	82
Pneumatic Tool	85	74
Pump	77	79
Roller	85	95
Saw	76	89
Scraper	85	79
Shovel	82	71
Truck	84	84
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018.		

Following the methodology for quantitative construction noise assessments in the FTA's *Transit Noise and Vibration Impact Assessment Manual* (September 2018) (FTA Noise and Vibration Manual), the FHWA RCNM model was used to predict construction noise at the nearest off-site receptors. RCNM is a computer program used to assess construction noise impacts and allows for user-defined construction equipment and user-defined noise limit criteria. Noise levels were calculated for each construction phase and are based on the equipment used, distance to the nearest property/receptor, and acoustical use factor for equipment.

Following FTA methodology, when calculating construction noise, all construction equipment is assumed to operate simultaneously at the Project site's center. Because in reality, equipment would be operating throughout the site and not all of the equipment would be operating at the point closest to the noise-sensitive receptors and considering the distance between the Project site's center and the sensitive receptors is a reasonable assumption. Therefore, the distances used in the RCNM model were approximately 175 feet to the nearest residential receptors to the west, 150 feet to the industrial uses to the east, and 255 feet to the commercial uses to the west of the center of the Project site; refer to **Appendix B: Noise Modeling Data** for RCNM modeling results. **Table 14: Project Construction Noise Levels**, show estimated exterior construction noise levels at the nearest receptors without accounting for attenuation from physical barriers or topography.

As shown in **Table 14**, construction activities would not exceed the applicable FTA noise standards at the nearest receptors in the Project vicinity. It is also noted that construction would occur during the City's allowable construction hours between 7:00 a.m. and 7:00 p.m. Monday through Saturday and would be prohibited on Sundays or Federal holidays. Therefore, construction related noise impacts would be less than significant.

Table 14: Project Construction Noise Levels

Construction Phase	Receptor Location			Modeled Exterior Noise Level (dBA L_{eq})[2]	FTA Noise Threshold (dBA $L_{eq\ (8\text{-}hour)}$)	Exceeded?
	Land Use	Direction	Distance (feet)[1]			
Demolition	Residential	West	175	75.6	80	No
	Commercial	West	255	72.3	85	No
	Industrial	East	150	76.9	90	No
Site Preparation	Residential	West	175	76.7	80	No
	Commercial	West	255	73.5	85	No
	Industrial	East	150	78.1	90	No
Grading	Residential	West	175	76.4	80	No
	Commercial	West	255	73.1	85	No
	Industrial	East	150	77.7	90	No
Building Construction	Residential	West	175	73.7	80	No
	Commercial	West	255	70.4	85	No
	Industrial	East	150	75.0	90	No
Paving	Residential	West	175	76.8	80	No
	Commercial	West	255	73.5	85	No
	Industrial	East	150	78.1	90	No
Architectural Coating	Residential	West	175	62.8	80	No
	Commercial	West	255	59.5	85	No
	Industrial	East	150	64.1	90	No

Notes:
1. Following FTA methodology, all equipment is assumed to operate at the center of the Project site because equipment would operate throughout the Project site and not at a fixed location for extended periods of time.
2. Modeled noise levels assume the simultaneous operation of all pieces of equipment.

Source: Federal Highway Administration, *Roadway Construction Noise Model,* 2006. Refer to **Appendix B: Noise Modeling Data** for noise modeling results.

Operations

Project implementation would create new sources of noise in the Project vicinity. The major noise sources that would potentially impact existing nearby sensitive receptors are stationary noise equipment (e.g., air conditioners, etc.); parking areas (i.e., car door slamming, car radios, engine start-up, and car pass-by); truck deliveries and trash/recycling pickups; landscape maintenance; and off-site traffic noise.

Mechanical Equipment

The nearest sensitive receptors to the Project site are the multi-family residences directly to the west of the Project site. Potential stationary noise sources related to long-term Project operation would include mechanical equipment (e.g., heating ventilation and air conditioning [HVAC] equipment), which typically generates noise levels of approximately 52 dBA at 50 feet.[15] As indicated in **Table 15: Stationary Source Noise Levels**, noise levels from the Project's proposed mechanical equipment at the nearest sensitive receptors would be below the City's noise standards. Therefore, the Project would result in a less than significant impact concerning mechanical equipment noise levels.

[15] Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, 2015.

Parking Lot Noise

The Project would provide 216 onsite parking spaces and 22 offsite parking spaces (along Flallon Avenue and Alburtis Avenue) (see Section 1.2, *Project Description*). Parking spaces would be a combination of ground-floor garage spaces for each residential unit, surface lot parking spaces in the southern portion of the site near the proposed commercial uses, and street parking along Flallon Avenue and Alburtis Avenue. Traffic associated with parking lots is typically not of sufficient volume to exceed community noise standards, which are based on a time-averaged scale such as the CNEL scale. The instantaneous maximum sound levels generated by a car door slamming, engine starting up, and car pass-bys range from 53 to 61 dBA[16] and may be an annoyance to nearby noise-sensitive receptors. As shown in **Table 15**, noise levels from the Project's proposed parking lot at the nearest noise-sensitive receptor would be below the City's noise standards which are in the $L_{eq\ (30\ min)}$ noise metric. A less than significant impact would occur in this regard.

Truck Deliveries and Trash/Recycling Collection

The proposed Project would involve occasional deliveries and weekly trash/recycling collection from slow-moving trucks during normal daytime hours. Low speed truck noise results from a combination of engine, exhaust, and tire noise as well as the intermittent sounds of back-up alarms and releases of compressed air associated with truck air-brakes. Medium-sized delivery trucks and trash collection trucks typically generate noise levels of 70 dBA at a distance of 50 feet.[17] The nearest noise-sensitive receptors (multi-family residences) would be located approximately 115 feet northwest of the closest trash/recycling/truck delivery area at the Project site. At this distance, noise levels from truck deliveries and trash/recycling collection trucks would be approximately 52.8 dBA and would not exceed the City's exterior or interior noise standards at the nearest residential uses; see **Table 15**. It is also noted that trash/recycling and truck delivery operations occur at the Project site under existing conditions and are considered part of standard operations in the area. Therefore, noise levels from truck deliveries and trash/recycling collection would result in a less than significant impact would occur in this regard.

Landscape Maintenance Activities

Operation of the Project would also include new landscaping that would require periodic maintenance. However, landscape maintenance activities would operate during daytime hours for brief periods of time and would be consistent with existing landscape maintenance activities at surrounding uses. In addition, landscape maintenance noise is exempt from the City's noise standards per AMC Section 5-2.07(c). Nonetheless, noise from landscape maintenance activities at the Project site would not exceed the City's exterior or interior noise standards at the nearest residential uses (see **Table 15**), and a less than significant impact would occur in this regard.

[16] Kariel, H. G., *Noise in Rural Recreational Environments*, Canadian Acoustics 19(5), 3-10, 1991.
[17] Urban Crossroads, *Lake Elsinore Walmart 2015 Noise Impact Analysis*, 2015.

Table 15: Stationary Source Noise Levels

Nearest Land Use	Direction	Distance (feet)	Reference Noise Level at 50 ft, dBA	Exterior Noise				Interior Noise	
				Noise Level at Receiver, dBA $L_{eq\ (30\ min)}$	Ambient Noise Level, dBA L_{eq}[1]	Noise Standard dBA $L_{eq\ (30\ min)}$[2]	Exceeds Standard?	Interior Noise Level at Receiver, dBA[10]	Exceeds 45 dBA Interior Noise Standard?
Mechanical Equipment									
Residential	West	60	52.0[3,4]	45.4[5]	57.4	57.4	No	20.4	No
Parking Area									
Residential	West	60	61.0[3]	44.6[6]	57.4	57.4	No	19.6	No
Truck Deliveries and Trash/Recycling Collection									
Residential	West	115	70.0[7]	52.8[6]	57.4	57.4	No	27.8	No
Landscape Maintenance									
Residential	West	70	58.4[3]	52.5[6]	57.4	57.4	No	27.5	No
Combined Noise Level (Mechanical Equipment + Parking Area + Truck Deliveries and Trash/Recycling Collection + Landscape Maintenance)									
Residential	West	N/A[5]	70.8[9]	56.4[6]	57.4	57.4	No	31.4	No

Notes:

1. Ambient noise levels obtained by Kimley-Horn on June 29, 2022; see **Table 11**.
2. The applicable noise standard is the higher of the measured ambient noise level or the base ambient noise levels identified in AMC Section 5-2.03(b). As indicated in **Table 11**, the measured ambient noise levels obtained by Kimley-Horn on June 29, 2022, exceed the City's base ambient noise levels. Therefore, the measured ambient noise levels are used to analyze impacts from the Project in accordance with Artesia Municipal Code 5-2.03(b).
3. Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, June 26, 2015.
4. Mechanical equipment is conservatively assumed to run in a continuous manner.
5. Includes a 5 dBA reduction from the rooftop parapet/screening walls at onsite buildings.
6. Noise level calculated using the Inverse Square Law of sound propagation and a maximum of 15 minutes of total operation within a 30-minute time period.
7. Urban Crossroads, *Lake Elsinore Walmart 2015 Noise Impact Analysis*, 2015.
8. Distances vary based on the location of the noise source, as identified above.
9. Calculated based on the logarithmic decibel scale and the reference noise levels for mechanical equipment, parking, truck deliveries and trash/recycling collection, and landscape maintenance noise levels identified above.
10. Interior noise levels were calculated assuming an exterior-interior sound reduction of 25 dBA from standard construction practices, per the United States Department of Housing and Urban Development *Noise Guidebook*, available at: https://www.hudexchange.info/resource/313/hud-noise-guidebook/ (2009).

Combined Noise Levels

Conservatively assuming a worst-case scenario where all noise sources identified above are simultaneously and continuously generating noise, the composite noise level at the nearest residential uses to the west would be approximately 56.4 dBA and would not exceed the City's exterior or interior noise standards; see **Table 15**. It is also noted that onsite mechanical equipment would be the primary noise source during the nighttime hours, which would generate noise levels up to 45.4 dBA at the nearest residences to the west (see **Table 15**) and would not exceed the City's nighttime exterior noise standard of 50 dBA. Therefore, noise levels from on-site Project operations would be less than significant.

Off-Site Traffic Noise

Project implementation would generate increased traffic volumes along nearby roadway segments. Based on the Traffic Impact Analysis Report, the proposed Project would result in approximately 2,585 daily trips. "2025 Opening Year Without Project" and "2025 Opening Year With Project" scenarios are compared in **Table 16: Opening Year Traffic Noise Levels**. As shown in **Table 16**, roadway noise levels without the Project would range from 50.3 dBA CNEL to 64.3 dBA CNEL and with the Project between 58.8 dBA CNEL and 64.7 dBA CNEL. Project generated traffic would result in substantial traffic noise increases[18] of 8.4 dBA along Flallon Avenue (north of Artesia Boulevard) and 7.7 dBA CNEL (north of Artesia Boulevard). However, as indicated in **Table 16**, the With Project noise levels at these roadway segments would not exceed the City's normally acceptable community noise exposure standards of 60 dBA CNEL for single-family residential and/or 65 dBA CNEL for multi-family residential uses. Therefore, the proposed Project would not result in a substantial permanent increase in traffic noise levels above the City's noise standards, and a less than significant impact would occur.

Table 16: Opening Year Traffic Noise Levels

Roadway Segment		2025 Opening Year Without Project		2025 Opening Year With Project		Change	Exceeds 3 dBA?[2]	Residential Land Use Compatibility Standard (SF/MF), dBA CNEL	Significant Impact[3]
		ADT	dBA CNEL[1]	ADT	dBA CNEL[1]				
Artesia Boulevard	West of Flallon Ave	16,660	64.3	18,212	64.7	0.4	No	60/65	No
	East of Flallon Ave	16,790	64.3	19,376	64.9	0.6	No	60/65	No
	West of Alburtis Ave	16,790	64.3	19,376	64.9	0.6	No	60/65	No
	East of Alburtis Ave	17,046	64.4	20,666	65.2	0.8	No	60/65	No[4]
Flallon Avenue	North Artesia Blvd	434	50.4	3,020	58.8	8.4	Yes	60/65	No
Alburtis Avenue	North Artesia Blvd	535	50.3	3,121	58.0	7.7	Yes	60/65	No

ADT = average daily traffic; dBA = A-weighted decibels; CNEL = community noise equivalent level; SF = single-family; MF = multiple-family.

Notes:
1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.
2. An increase of 3 dBA is barely perceptible. Therefore, an increase of 3 dBA or more is considered significant.
3. Potential impacts occur when the Project change exceeds 3 dBA and the land use compatibility standard is exceeded (i.e., both must occur).
4. Although the modeled traffic noise level exceeds the applicable land use compatibility standard(s) at 100 feet from the roadway centerline, the nearest residential uses along this segment are located over 350 feet from the roadway centerline. At 350 feet, traffic noise levels would attenuate to approximately 59.6 dBA CNEL and would be below the City's land use compatibility standards. In addition, the Project would result in a less than 3 dBA noise increase along this segment and would not be noticeable.

Source: Based on traffic data within the *Traffic Impact Analysis Report*, prepared by Kimley-Horn and Associates, Inc., August 2022. Refer to **Appendix B** for traffic noise modeling assumptions and results.

[18] Per the *Techniques for Reviewing Noise Analyses and Associated Noise Reports* (FHWA, 2018), the FHWA considers a noise increase over 3 dBA to be barely perceptible and would have an effect on the existing noise environment.

On-Site Noise Impacts[19]

As previously noted, the concrete mixing plant located east of the Project site along Alburtis Avenue and vehicular traffic along Artesia Boulevard located to the south are the primary noise sources in the Project vicinity. As depicted on **Figure 4: Conceptual Site Plan**, the Project proposes residential uses (i.e., townhomes and shopkeeper live/work units) along Alburtis Avenue, but commercial uses are proposed along Artesia Boulevard. Based on the noise measurement data obtained by Kimley-Horn for LT-1 (see **Table 11**), exterior noise levels at the proposed residences along Alburtis Avenue would be approximately 71.2 dBA CNEL, which is within the City's normally unacceptable land use compatibility noise standard of 70-75 dBA CNEL for multi-family residential uses (see **Table 5**). According to the General Plan Noise Element, a normally unacceptable noise level requires that noise insulation features be included in the design to ensure interior noise levels are below the California Building Code interior noise standard of 45 dBA CNEL. Therefore, the Project would be required to comply with Mitigation Measure NOI-1, which requires implementation of sound insulation to minimize interior noise levels at habitable rooms of residences along Alburtis Avenue to ensure the Project would be consistent with California Code of Regulations Title 24, Part 2, Section 1206.4 (Allowable Interior Noise Levels). With implementation of Mitigation Measure NOI-1, the interior noise levels would be reduced to below the California Building Code interior noise standard of 45 dBA CNEL and onsite noise impacts would be reduced to less than significant.

Mitigation Measures:

NOI-1 To comply with California Code of Regulations Title 24, Part 2, Section 1206.4 (Allowable Interior Noise Levels), the Project applicant shall install exterior building materials with sufficient Sound Transmission Class (STC) ratings to reduce interior noise levels at residential units to 45 CNEL or lower. To reduce potential noise impacts to future Project residents, habitable rooms[20] of residential units located within 30 feet of Alburtis Avenue shall incorporate design measures for windows, walls, and doors that achieve a composite STC rating of at least 27 and all exterior doors and windows shall be installed such that there are no air gaps or perforations. Both aforementioned STC rating standard requirements shall be incorporated into the building plans and submitted to the City of Artesia Building Department for review and approval prior to issuance of building permits. An acoustical analysis shall be performed prior to the issuance of an occupancy permit to demonstrate that noise levels in the interior livable spaces do not exceed the interior noise standard of 45 CNEL in any habitable room as set forth by the City and California Code of Regulations, Title 24, Section 1206.4.

Level of Significance: Less than significant with mitigation incorporated.

[19] The California Supreme Court in a December 2015 opinion (*California Building Industry Association v. Bay Area Air Quality Management District,* 62 Cal. 4th 369 [No. S 213478]) confirmed that CEQA, with several specific exceptions, is concerned with the impacts of a project on the environment, not the effects the existing environment may have on a project. Therefore, this section is not required under CEQA and is included for informational purposes only. The evaluation of the significance of project impacts in the following discussion is provided to ensure compliance with City and State Building Code noise standards.

[20] According to the California Building Code, a habitable room is "A space in a building for living, sleeping, eating or cooking. Bathrooms, toilet rooms, closets, halls, storage or utility spaces and similar areas are not considered habitable spaces."

Threshold 6.2 Would the Project generate excessive groundborne vibration or groundborne noise levels?

Construction Vibration

Construction can generate varying degrees of ground vibration, depending on the construction procedures and equipment. Operation of construction equipment generates vibrations that spread through the ground and diminish with distance from the source. Construction on the Project site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved.

Table 17: Typical Construction Equipment Vibration Levels, lists vibration levels at 25 feet for typical construction equipment. Vibration levels at 20 feet, the distance from the Project construction area to the nearest existing structure to the north are also included in **Table 17**. Groundborne vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. As indicated in **Table 17**, based on FTA data, vibration velocities from typical heavy construction equipment operations that would be used during Project construction range from 0.003 to 0.089 in/sec PPV at 25 feet from the source of activity.

Table 17: Typical Construction Equipment Vibration Levels

Equipment	Peak Particle Velocity at 25 Feet (in/sec)	Peak Particle Velocity at 20 Feet (in/sec)[1]
Large Bulldozer	0.089	0.124
Caisson Drilling	0.089	0.124
Loaded Trucks	0.076	0.106
Jackhammer	0.035	0.049
Small Bulldozer/Tractors	0.003	0.004

Notes:
1. Calculated using the following formula: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$, where: PPV_{equip} = the peak particle velocity in in/sec of the equipment adjusted for the distance; PPV_{ref} = the reference vibration level in in/sec from Table 7-4 of the Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018; D = the distance from the equipment to the receiver.

Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018.

The nearest structure to the Project construction area is located approximately 20 feet to the north. **Table 17** shows that at 20 feet, the maximum vibration velocities from construction equipment would be 0.124 in/sec PPV, which is below the FTA's 0.20 in/sec PPV threshold for building damage and Caltrans' 0.40 in/sec PPV threshold for human annoyance. It is also acknowledged that construction activities would occur throughout the Project site and would not be concentrated at the point closest to the nearest structure. Therefore, vibration impacts associated with Project construction would be less than significant.

Operational Vibration

Once operational, the Project would not be a significant source of ground-borne vibration. Ground-borne vibration surrounding the Project currently result from heavy-duty vehicular travel (e.g., trash/recycling trucks, heavy duty trucks, and delivery trucks, etc.) on the nearby local roadways. Due to the rapid drop-off rate of ground-borne vibration and the short duration of the associated events, vehicular traffic-induced ground-borne vibration is rarely perceptible beyond the roadway right-of-way, and rarely results

in vibration levels that cause damage to buildings in the vicinity. Therefore, vibration impacts from the Project would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 6.3 For a Project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?

The nearest airport to the Project site is the Long Beach Airport located approximately 4.8 miles to the southwest. The Project site is not within 2.0 miles of a public airport or within an airport land use plan. Additionally, there are no private airstrips located within the Project vicinity. Therefore, the Project would not expose people working in the Project area to excessive airport- or airstrip-related noise levels and no mitigation is required.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6.2 Cumulative Noise Impacts

For purposes of noise analysis, cumulative impacts are considered for cumulative development within the ABCSP and adjacent areas in the City. The City identified the related projects and other possible development in the area that have the potential to interact with the Project to the extent that a significant cumulative effect may occur.[21]

Cumulative Construction Noise

The Project's construction activities would not result in a substantial temporary increase in ambient noise levels. Construction noise would be periodic and temporary noise impacts that would cease upon completion of construction activities. The Project would contribute to other proximate construction project noise impacts if construction activities were conducted concurrently. The nearest cumulative development project is located approximately 0.11-mile to the west at 17172 Roseton (a 4,758 SF office/warehouse). However, based on distance attenuation and the presence of intervening structures and traffic noise along Artesia Boulevard, construction noise emanating from the Project site would not cumulatively contribute to construction noise generated at the nearest cumulative development project. All other cumulative development projects are located more than 0.20 miles from the Project site.

In addition, construction activities at other planned and approved projects near the Project site would be required to comply with applicable City rules related to noise and would take place during daytime hours on the days permitted by the AMC, and projects requiring discretionary City approvals would be required to evaluate construction noise impacts, comply with the City's standard conditions of approval, and implement mitigation, if necessary, to minimize noise impacts. Therefore, Project construction would not

[21] Email correspondence with Mel Lee, Contract Planner, on September 23, 2022.

result in a cumulatively considerable contribution to significant cumulative impacts, assuming such a cumulative impact existed, and impacts in this regard are not cumulatively considerable.

Cumulative Operational Noise

Cumulative Off-Site Traffic Noise

Cumulative noise impacts describe how much noise levels are projected to increase over existing conditions with the development of the proposed Project and other foreseeable projects. Cumulative noise impacts would occur primarily as a result of increased traffic on local roadways due to buildout of the proposed Project and other projects in the vicinity.

Cumulative increases in traffic noise levels were estimated by comparing the Existing and Opening Year Without Project scenarios to the Opening Year Plus Project scenario. The traffic analysis considers cumulative traffic from future growth assumed in the transportation model, as well as cumulative projects.

A project's contribution to a cumulative traffic noise increase would be considered significant when the combined effect exceeds the perception level (i.e., auditory level increase) threshold. The following criteria is used to evaluate the combined and incremental effects of the cumulative noise increase.

- *Combined Effect*. The cumulative with Project noise level ("Opening Year With Project") would cause a significant cumulative impact if a 3.0 dB increase over "Existing" conditions occurs and the resulting noise level exceeds the applicable exterior standard at a sensitive use. Although there may be a significant noise increase due to the proposed Project in combination with other related projects (combined effects), it must also be demonstrated that the Project has an incremental effect. In other words, a significant portion of the noise increase must be due to the proposed Project.

- *Incremental Effects*. The "Opening Year With Project" causes a 1.0 dBA increase in noise over the "Opening Year Without Project" noise level.

A significant impact would result only if both the combined and incremental effects criteria have been exceeded and the With Project noise levels exceed the acceptable noise levels on the land use compatibility matrix (refer to **Table 5**). Noise by definition is a localized phenomenon and reduces as distance from the source increases. Consequently, only the proposed Project and growth due to occur in the general area would contribute to cumulative noise impacts.

Table 18: Cumulative Off-Site Traffic Noise Levels identifies the traffic noise effects along roadway segments in the Project vicinity for "Existing," "Opening Year Without Project," and "Opening Year With Project," conditions, including incremental and net cumulative impacts. **Table 18** shows that although cumulative traffic noise levels would exceed the combined and incremental effects as a result of the Project, the Opening Year With Project noise levels would not exceed the City's land use compatibility standards at the nearest residential uses. Thus, cumulative operational noise impact from related projects, in conjunction with Project-specific noise impacts would not be cumulatively considerable and impacts would be less than significant.

Table 18: Cumulative Off-Site Traffic Noise Levels

Roadway Segment		Existing dBA CNEL[1]	Opening Year Without Project[1] dBA CNEL	Opening Year With Project[1] dBA CNEL	Combined Effects	Incremental Effects	Residential Land Use Compatibility Standard (SF/MF), dBA CNEL	Cumulatively Significant Impact?
					Difference In dBA Between Existing and Opening Year With Project	Difference In dBA Between Opening Year Without Project and Opening Year With Project		
Artesia Boulevard	West of Flallon Ave	64.1	64.3	64.7	0.6	0.4	60/65	No
	East of Flallon Ave	64.2	64.3	64.9	0.7	0.6	60/65	No
	West of Alburtis Ave	64.2	64.3	64.9	0.7	0.6	60/65	No
	East of Alburtis Ave	64.2	64.4	65.2	1.0	0.8	60/65	No[3]
Flallon Avenue	North Artesia Blvd	50.3	50.4	58.8	8.5	8.4	60/65	No
Alburtis Avenue	North Artesia Blvd	50.2	50.3	58.0	7.8	7.7	60/65	No

ADT = average daily traffic; dBA = A-weighted decibels; CNEL = community noise equivalent level.

Notes:
1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.
2. Potential cumulative impacts occur when the combined and incremental effects are exceeded, and the Opening Year Plus Project noise level exceeds the City's land use compatibility standard (i.e., all must occur).
3. Although the modeled traffic noise level exceeds the applicable land use compatibility standard(s), the nearest residential uses are located over 350 feet from the roadway centerline and noise levels would attenuate below land use compatibility standards.

Source: Based on traffic data within the *Traffic Impact Analysis Report*, prepared by Kimley-Horn and Associates, Inc., August 2022. Refer to **Appendix B: Noise Modeling Data** for traffic noise modeling assumptions and results.

Cumulative Stationary Noise

Stationary noise sources of the proposed Project would result in an incremental increase in non-transportation noise sources in the Project vicinity. However, as discussed above, operational noise caused by the proposed Project would be less than significant. Similar to the proposed Project, other planned and approved projects would be required to mitigate for stationary noise impacts at nearby sensitive receptors, if necessary. As stationary noise sources are generally localized, there is a limited potential for other projects to contribute to cumulative noise impacts.

No known past, present, or reasonably foreseeable projects would combine with the operational noise levels generated by the Project to increase noise levels above acceptable standards because each project must comply with applicable City regulations that limit operational noise. Therefore, the Project, together with other projects, would not create a significant cumulative impact, and even if there was such a significant cumulative impact, the Project would not make a cumulatively considerable contribution to significant cumulative operational noises.

Given that noise dissipates as it travels away from its source, operational noise impacts from on-site activities and other stationary sources would be limited to the Project site and vicinity. Thus, cumulative operational noise impacts from related projects, in conjunction with Project specific noise impacts, would not be cumulatively significant.

7 REFERENCES

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Appendix A

Existing Ambient Noise Measurements

Noise Measurement Field Data

Project:	Artesia Boulevard Corridor SP Amendment	**Job Number:**	194468001
Site No.:	1	**Date:**	6/29/2022
Analyst:	Serena Lin, Steven Yu	**Time:**	9:15 - 9:25 AM
Location:	On 175th Street in residential neighborhood, south of the Project site		
Noise Sources:	cars, distant landscaping, birds		

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
54.5	46.4	74.8	84.5

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	74
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	30.01 inHg
Humidity:	66%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	ART.001.s	Computer's File Name	LxTse_0007061-20220629 091549-ART.001.ldbin
Meter	LxT SE 0007061		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-06-29 09:15:49	Duration	0:10:00.0
End Time	2022-06-29 09:25:49	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	54.5 dB		
LAE	82.3 dB	SEA	--- dB
EA	18.8 µPa²h		
LA_{peak}	84.5 dB	2022-06-29 09:17:16	
LAS_{max}	74.8 dB	2022-06-29 09:17:16	
LAS_{min}	46.4 dB	2022-06-29 09:25:38	
LA_{eq}	54.5 dB		
LC_{eq}	70.0 dB	LC_{eq} - LA_{eq}	15.5 dB
LAI_{eq}	56.8 dB	LAI_{eq} - LA_{eq}	2.3 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
54.5 dB	54.5 dB	0.0 dB

LDEN	LDay	LEve	LNight
54.5 dB	54.5 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	54.5 dB		70.0 dB		--- dB	
$Ls_{(max)}$	74.8 dB	2022-06-29 09:17:16	--- dB		--- dB	
$LS_{(min)}$	46.4 dB	2022-06-29 09:25:38	--- dB		--- dB	
$L_{Peak(max)}$	84.5 dB	2022-06-29 09:17:16	--- dB		--- dB	

Overloads

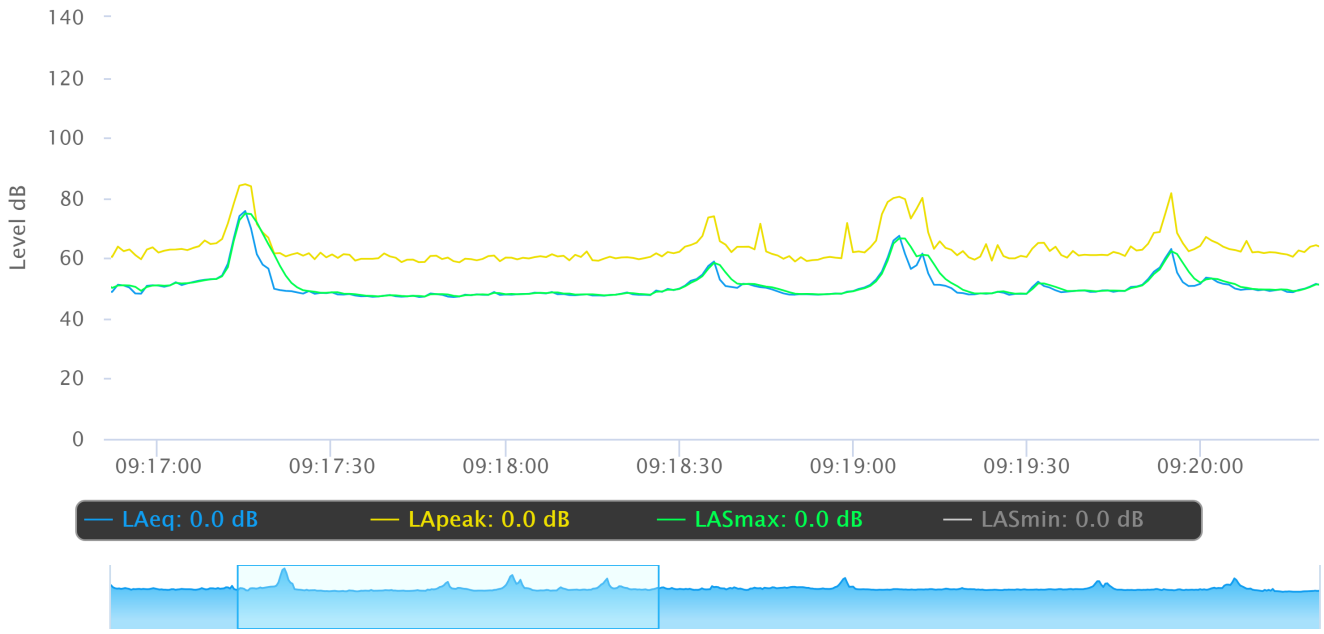
Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	57.2 dB
LAS 10.0	53.4 dB
LAS 33.3	50.4 dB
LAS 50.0	49.7 dB
LAS 66.6	49.2 dB
LAS 90.0	47.9 dB

Time History

Zoomed



Noise Measurement Field Data

Project:	Artesia Boulevard Corridor SP Amendment	**Job Number:**	194468001
Site No.:	2	**Date:**	6/29/2022
Analyst:	Serena Lin, Steven Yu	**Time:**	9:38 - 9:48 AM
Location:	West side of Flallon Avenue, directly west of the Project site		
Noise Sources:	cars, trucks beeping, people talking, distant birds		

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
57.4	51.7	71.1	90.2

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	76
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	30.01 inHg
Humidity:	62%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	ART.002.s	Computer's File Name	LxTse_0007061-20220629 093825-ART.002.ldbin
Meter	LxT SE 0007061		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-06-29 09:38:25	Duration	0:10:00.0
End Time	2022-06-29 09:48:25	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	57.4 dB		
LAE	85.2 dB	SEA	--- dB
EA	36.7 µPa²h		
LA_{peak}	90.2 dB	2022-06-29 09:38:29	
LAS_{max}	71.1 dB	2022-06-29 09:39:12	
LAS_{min}	51.7 dB	2022-06-29 09:48:03	
LA_{eq}	57.4 dB		
LC_{eq}	69.2 dB	LC_{eq} - LA_{eq}	11.8 dB
LAI_{eq}	59.7 dB	LAI_{eq} - LA_{eq}	2.2 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
57.4 dB	57.4 dB	0.0 dB

LDEN	LDay	LEve	LNight
57.4 dB	57.4 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	57.4 dB		69.2 dB		--- dB	
$Ls_{(max)}$	71.1 dB	2022-06-29 09:39:12	--- dB		--- dB	
$LS_{(min)}$	51.7 dB	2022-06-29 09:48:03	--- dB		--- dB	
$L_{Peak(max)}$	90.2 dB	2022-06-29 09:38:29	--- dB		--- dB	

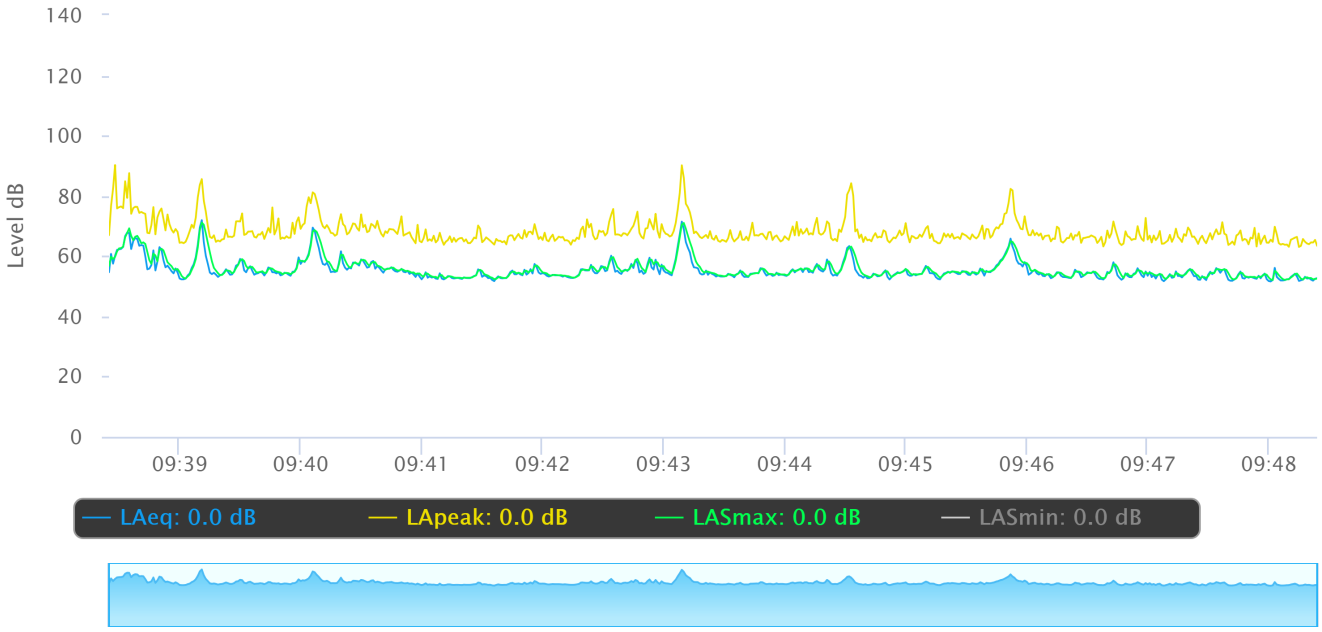
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	62.6 dB
LAS 10.0	58.9 dB
LAS 33.3	55.3 dB
LAS 50.0	54.4 dB
LAS 66.6	53.8 dB
LAS 90.0	52.8 dB

Time History



Noise Measurement Field Data

Project:	Artesia Boulevard Corridor SP Amendment	**Job Number:**	194468001
Site No.:	3	**Date:**	6/29/2022
Analyst:	Serena Lin, Steven Yu	**Time:**	9:50 - 10:07 AM
Location:	South of Alburtis Avenue, north of Project site		
Noise Sources:	cars, distant construction, distant traffic (freeway), truck		

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
62.2	55.8	74.3	97.3

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	77
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	30.01
Humidity:	58%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	ART.003.s	Computer's File Name	LxTse_0007061-20220629 095042-ART.003.ldbin
Meter	LxT SE 0007061		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-06-29 09:50:42	Duration	0:10:04.1
End Time	2022-06-29 10:07:33	Run Time	0:10:03.9
Pause Time	0:00:00.2		

Results

Overall Metrics

LA_{eq}	62.2 dB		
LAE	90.1 dB	SEA	--- dB
EA	112.6 µPa²h		
LA_{peak}	97.3 dB	2022-06-29 10:04:47	
LAS_{max}	74.3 dB	2022-06-29 10:06:02	
LAS_{min}	55.8 dB	2022-06-29 09:57:46	
LA_{eq}	62.2 dB		
LC_{eq}	72.8 dB	LC_{eq} - LA_{eq}	10.5 dB
LAI_{eq}	65.4 dB	LAI_{eq} - LA_{eq}	3.1 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
62.2 dB	62.2 dB	0.0 dB

LDEN	LDay	LEve	LNight
62.2 dB	62.2 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	62.2 dB		72.8 dB		--- dB	
$Ls_{(max)}$	74.3 dB	2022-06-29 10:06:02	--- dB		--- dB	
$LS_{(min)}$	55.8 dB	2022-06-29 09:57:46	--- dB		--- dB	
$L_{Peak(max)}$	97.3 dB	2022-06-29 10:04:47	--- dB		--- dB	

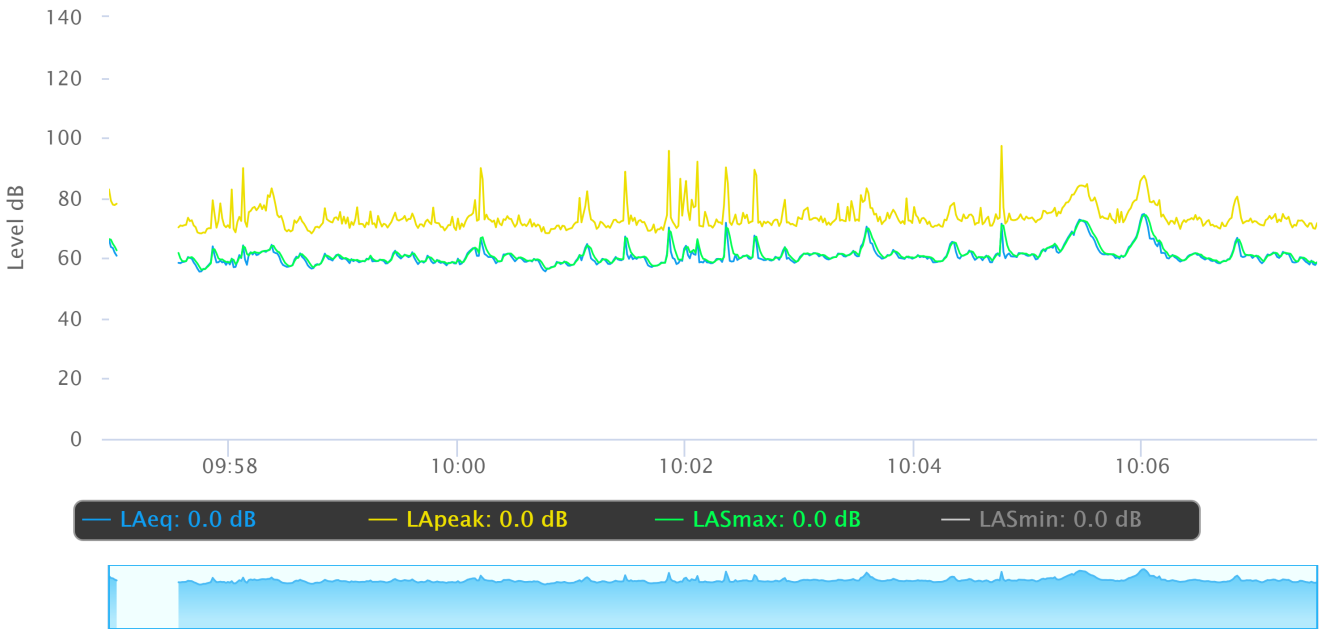
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	66.7 dB
LAS 10.0	64.0 dB
LAS 33.3	61.0 dB
LAS 50.0	60.3 dB
LAS 66.6	59.5 dB
LAS 90.0	58.4 dB

Time History



Noise Measurement Field Data

Project:	Artesia Boulevard Corridor SP Amendment	**Job Number:**	194468001
Site No.:	4	**Date:**	6/29/2022
Analyst:	Serena Lin, Steven Yu	**Time:**	10:13 - 10:23 AM
Location:	Along Artesia Boulevard, southeast of the Project site near 11714 Artesia Blvd		
Noise Sources:	trucks, cars, birds		

Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
68.3	53.4	82.6	97.3

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	79
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	30.00 inHg
Humidity:	55%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	ART.004.s	Computer's File Name	LxTse_0007061-20220629 101316-ART.004.ldbin
Meter	LxT SE 0007061		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-06-29 10:13:16	Duration	0:10:00.0
End Time	2022-06-29 10:23:16	Run Time	0:10:00.0
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	68.3 dB		
LAE	96.0 dB	SEA	--- dB
EA	446.6 µPa²h		
LA_{peak}	97.3 dB	2022-06-29 10:14:06	
LAS_{max}	82.6 dB	2022-06-29 10:14:07	
LAS_{min}	53.4 dB	2022-06-29 10:19:44	
LA_{eq}	68.3 dB		
LC_{eq}	75.3 dB	LC_{eq} - LA_{eq}	7.1 dB
LAI_{eq}	70.5 dB	LAI_{eq} - LA_{eq}	2.3 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
68.3 dB	68.3 dB	0.0 dB

LDEN	LDay	LEve	LNight
68.3 dB	68.3 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	68.3 dB		75.3 dB		--- dB	
$Ls_{(max)}$	82.6 dB	2022-06-29 10:14:07	--- dB		--- dB	
$LS_{(min)}$	53.4 dB	2022-06-29 10:19:44	--- dB		--- dB	
$L_{Peak(max)}$	97.3 dB	2022-06-29 10:14:06	--- dB		--- dB	

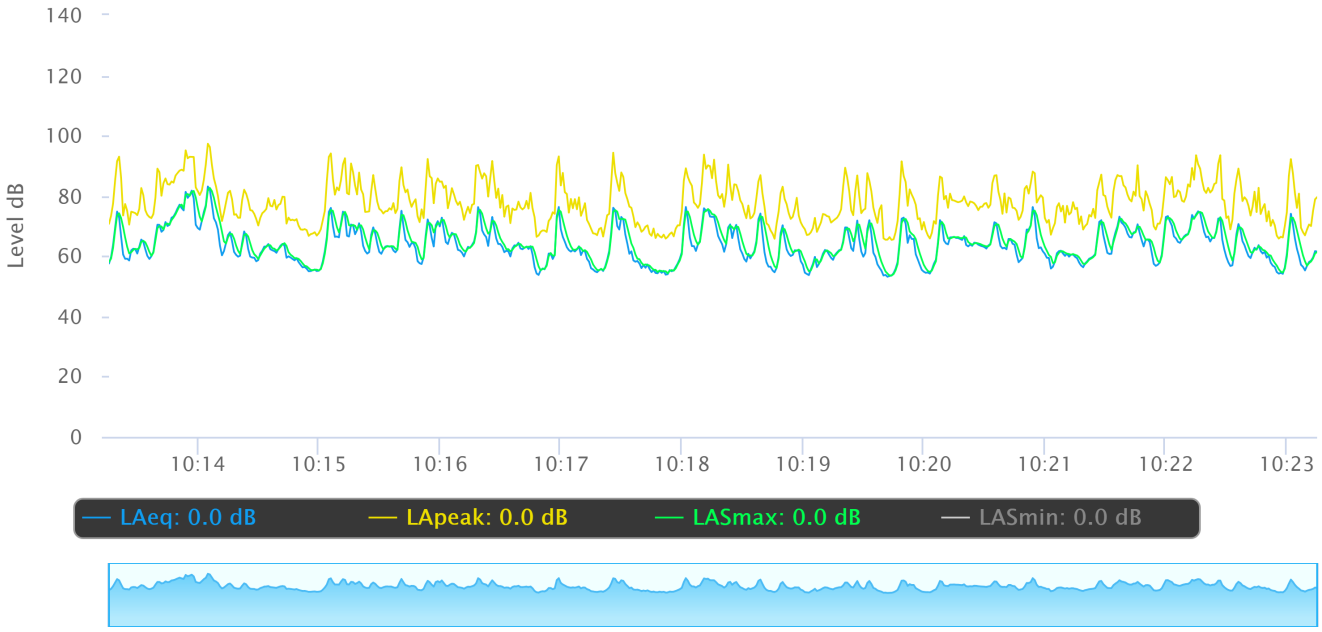
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	73.9 dB
LAS 10.0	71.9 dB
LAS 33.3	66.4 dB
LAS 50.0	63.5 dB
LAS 66.6	61.3 dB
LAS 90.0	56.6 dB

Time History



Noise Measurement Field Data

Project:	Artesia Boulevard Corridor SP Amendment	**Job Number:**	194468001
Site No.:	5	**Date:**	3/8/2023
Analyst:	Ryan Callahan and Jacqueline Tran	**Time:**	9:57 - 10:07 AM
Location:	Along Alburtis Avenue, adjacent to the concrete mixing plant east of the Project site		
Noise Sources:	Street sweeping, heavy freight trucks/cement trucks back and forth, music outloud from speakers next door, cement plant next door, truck repair facility next door.		

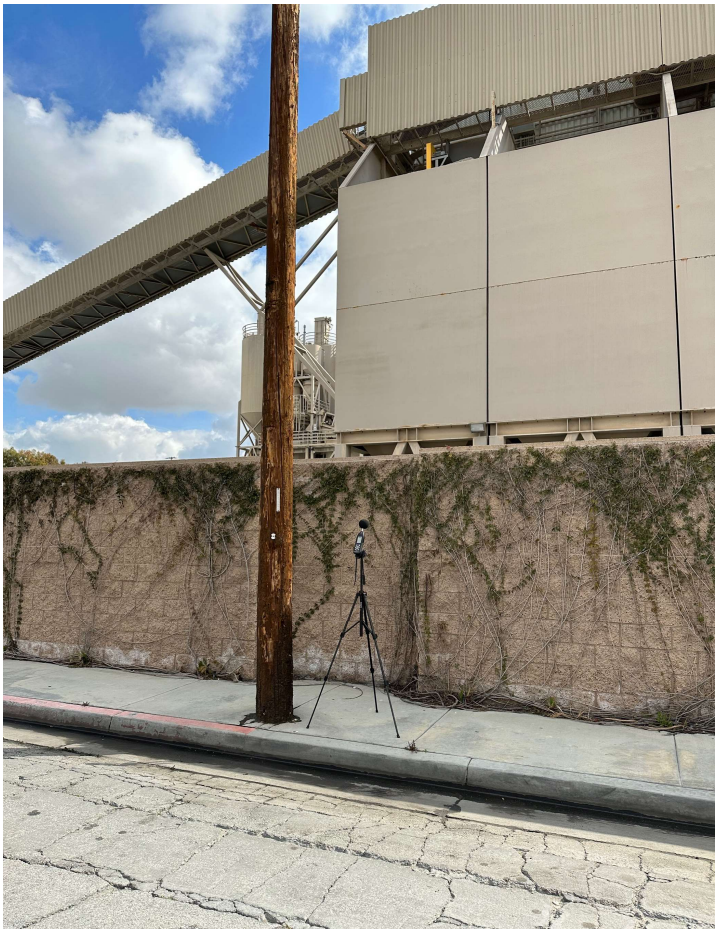
Results (dBA):

Leq:	Lmin:	Lmax:	Peak:
68.5	57.9	89.8	110.8

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	54
Wind (mph):	3
Sky:	Partly Cloudy
Bar. Pressure:	30.17
Humidity:	65%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	ANA.022	Computer's File Name	LxTse_0005586-20230308 095718-ANA.022.ldbin
Meter	LxT SE		
Firmware	2.404		
User		Location	
Description			
Note			
Start Time	2023-03-08 09:57:18	Duration	0:10:00.0
End Time	2023-03-08 10:07:18	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	68.5 dB		
LAE	96.3 dB	SEA	--- dB
EA	468.7 µPa²h		
LA_{peak}	110.8 dB	2023-03-08 10:01:02	
LAS_{max}	89.8 dB	2023-03-08 10:01:02	
LAS_{min}	57.9 dB	2023-03-08 09:59:40	
LA_{eq}	68.5 dB		
LC_{eq}	75.7 dB	LC_{eq} - LA_{eq}	7.2 dB
LAI_{eq}	74.3 dB	LAI_{eq} - LA_{eq}	5.9 dB

Exceedances	Count	Duration
LAS > 85.0 dB	1	0:00:02.4
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	68.5 dB	68.5 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	68.5 dB	68.5 dB	--- dB	--- dB

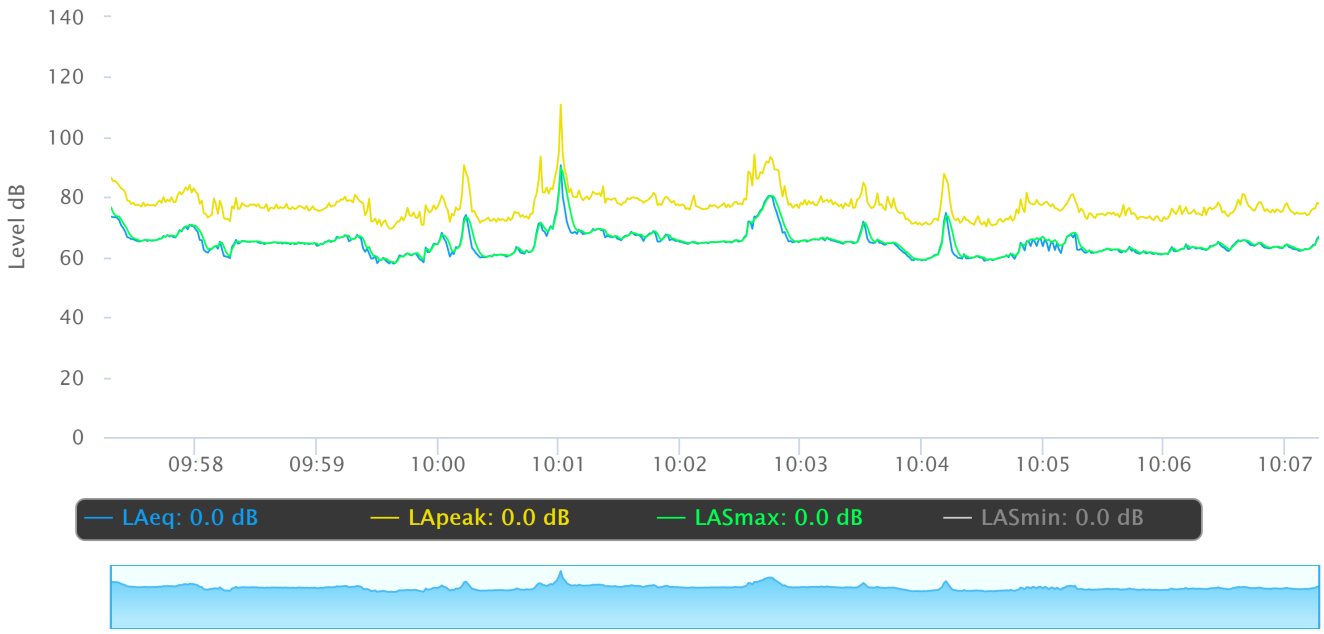
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	68.5 dB		75.7 dB		--- dB	
$L_{S(max)}$	89.8 dB	2023-03-08 10:01:02	--- dB		--- dB	
$L_{S(min)}$	57.9 dB	2023-03-08 09:59:40	--- dB		--- dB	
$L_{Peak(max)}$	110.8 dB	2023-03-08 10:01:02	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	72.2 dB
LAS 10.0	69.2 dB
LAS 33.3	65.4 dB
LAS 50.0	64.6 dB
LAS 66.6	63.0 dB
LAS 90.0	60.3 dB

Time History



Noise Measurement Field Data

Project:	Artesia Boulevard Corridor SP Amendment	**Job Number:**	194468001
Site No.:	LT-1	**Date:**	3/8/2023 to 3/9/2023
Analyst:	Ryan Callahan and Jacqueline Tran	**Time:**	9:45 AM
Location:	Along eastern Project site boundary, adjacent to the concrete mixing plant east of the Project site.		
Noise Sources:	Street sweeping, heavy freight trucks/cement trucks back and forth, music outloud from speakers next door, cement plant next door, truck repair facility next door.		

Results (dBA):

CNEL:	Leq:	Lmin:	Lmax:	Peak:
71.2	67.8	43.0	91.6	107.9

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	54
Wind (mph):	3
Sky:	Partly Cloudy
Bar. Pressure:	30.17
Humidity:	65%

Photo:

Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LT_.016	Computer's File Name	LT-1.ldbin
Meter	LxT SE		
Firmware	2.404		
User		Location	
Description			
Note			

Start Time	2023-03-08 09:45:31	Duration	24:20:38.4		
End Time	2023-03-09 10:07:06	Run Time	24:20:38.4	Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	67.8 dB		
LAE	117.2 dB	SEA	--- dB
EA	58.4 mPa²h		
LA_{peak}	107.9 dB	2023-03-08 10:45:36	
LAS_{max}	91.6 dB	2023-03-08 10:45:36	
LAS_{min}	43.0 dB	2023-03-09 02:51:52	
LA_{eq}	67.8 dB		
LC_{eq}	73.5 dB	LC_{eq} - LA_{eq}	5.7 dB
LAI_{eq}	69.3 dB	LAI_{eq} - LA_{eq}	1.6 dB

Exceedances	Count	Duration
LAS > 85.0 dB	13	0:01:00.1
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	70.9 dB	69.2 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	71.2 dB	69.8 dB	65.3 dB	62.7 dB

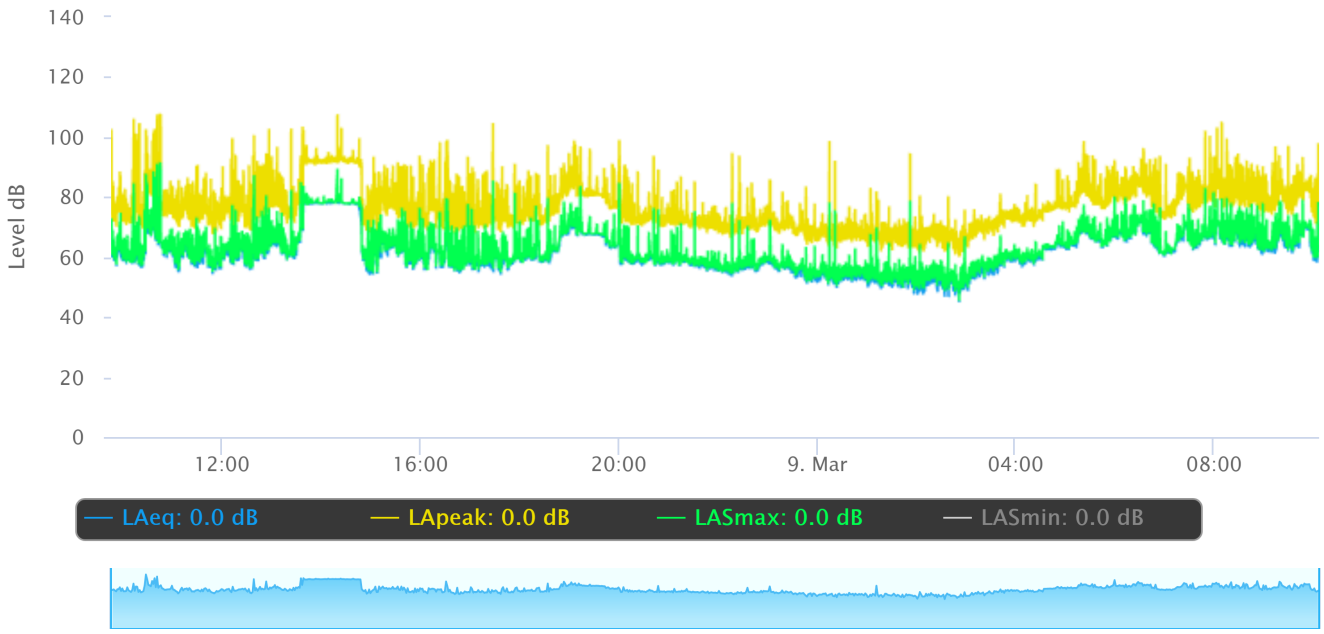
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	67.8 dB		73.5 dB		--- dB	
$L_{S(max)}$	91.6 dB	2023-03-08 10:45:36	--- dB		--- dB	
$L_{S(min)}$	43.0 dB	2023-03-09 02:51:52	--- dB		--- dB	
$L_{Peak(max)}$	107.9 dB	2023-03-08 10:45:36	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	77.3 dB
LAS 10.0	69.8 dB
LAS 33.3	63.7 dB
LAS 50.0	60.7 dB
LAS 66.6	58.3 dB
LAS 90.0	53.9 dB

Time History



Appendix B

Noise Modeling Data

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Artesia Boulevard Specific Plan Amendment
Project Number: 194468001
Scenario: Existing
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Artesia Boulevard	West of Flallon Ave	4	12	16169	40	0	2.0%	1.0%	64.1	-	82	259	820
2		East of Flallon Ave	4	12	16295	40	0	2.0%	1.0%	64.2	-	83	261	826
3		West of Alburtis Ave	4	12	16295	40	0	2.0%	1.0%	64.2	-	83	261	826
4		East of Alburtis Ave	4	12	16543	40	0	2.0%	1.0%	64.2	-	84	265	839
5	Flallon Avenue	North of Artesia Blvd	2	0	420	30	0	3.0%	5.0%	50.3	-	-	-	34
6	Alburtis Avenue	North of Artesia Blvd	2	0	518	25	0	3.0%	5.0%	50.2	-	-	-	33

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Artesia Boulevard Specific Plan Amendment
Project Number: 194468001
Scenario: Existing Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Artesia Boulevard	West of Flallon Ave	4	12	17,721	40	0	2.0%	1.0%	64.5	-	90	284	899
2		East of Flallon Ave	4	12	18,881	40	0	2.0%	1.0%	64.8	-	96	303	957
3		West of Alburtis Ave	4	12	18,881	40	0	2.0%	1.0%	64.8	-	96	303	957
4		East of Alburtis Ave	4	12	20,163	40	0	2.0%	1.0%	65.1	-	102	323	1,022
5	Flallon Avenue	North of Artesia Blvd	2	0	3,006	30	0	3.0%	5.0%	58.8	-	-	76	240
6	Alburtis Avenue	North of Artesia Blvd	2	0	3,104	25	0	3.0%	5.0%	57.9	-	-	62	197

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Artesia Boulevard Specific Plan Amendment
Project Number: 194468001
Scenario: Opening Year
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Artesia Boulevard	West of Flallon Ave	4	12	16,660	40	0	2.0%	1.0%	64.3	-	84	267	845
2		East of Flallon Ave	4	12	16,790	40	0	2.0%	1.0%	64.3	-	85	269	851
3		West of Alburtis Ave	4	12	16,790	40	0	2.0%	1.0%	64.3	-	85	269	851
4		East of Alburtis Ave	4	12	17,046	40	0	2.0%	1.0%	64.4	-	86	273	864
5	Flallon Avenue	North of Artesia Blvd	2	0	434	30	0	3.0%	5.0%	50.4	-	-	-	35
6	Alburtis Avenue	North of Artesia Blvd	2	0	535	25	0	3.0%	5.0%	50.3	-	-	-	34

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Artesia Boulevard Specific Plan Amendment
Project Number: 194468001
Scenario: Opening Year Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	Artesia Boulevard	West of Flallon Ave	4	12	18,212	40	0	2.0%	1.0%	64.7	-	92	292	923
2		East of Flallon Ave	4	12	19,376	40	0	2.0%	1.0%	64.9	-	98	311	982
3		West of Alburtis Ave	4	12	19,376	40	0	2.0%	1.0%	64.9	-	98	311	982
4		East of Alburtis Ave	4	12	20,666	40	0	2.0%	1.0%	65.2	-	105	331	1,048
5	Flallon Avenue	North of Artesia Blvd	2	0	3,020	30	0	3.0%	5.0%	58.8	-	-	76	241
6	Alburtis Avenue	North of Artesia Blvd	2	0	3,121	25	0	3.0%	5.0%	58.0	-	-	63	198

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Artesia Boulevard Specific Plan Amendment
Project Number: 194468001
Scenario: Opening Year Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
4	Artesia Boulevard	East of Alburtis Ave	4	12	20,666	40	0	2.0%	1.0%	59.6	-	102	322	1,020

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/9/2022
Case Description: Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residential - W	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	175	0
Concrete Saw	No	20		89.6	175	0
Dozer	No	40		81.7	175	0
Excavator	No	40		80.7	175	0
Excavator	No	40		80.7	175	0
Excavator	No	40		80.7	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	78.7	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	78.7	75.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Commercial	Commercial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	255	0
Concrete Saw	No	20		89.6	255	0
Dozer	No	40		81.7	255	0
Excavator	No	40		80.7	255	0
Excavator	No	40		80.7	255	0
Excavator	No	40		80.7	255	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	75.4	68.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	66.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	66.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	66.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.4	72.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	150	0
Concrete Saw	No	20		89.6	150	0
Dozer	No	40		81.7	150	0
Excavator	No	40		80.7	150	0
Excavator	No	40		80.7	150	0
Excavator	No	40		80.7	150	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	80	73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	80	76.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/9/2022
Case Description: Site Preparation

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential - W	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	175	0
Tractor	No	40	84		175	0
Dozer	No	40		81.7	175	0
Dozer	No	40		81.7	175	0
Tractor	No	40	84		175	0
Tractor	No	40	84		175	0
Tractor	No	40	84		175	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	73.1	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Commercial	Commercial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	255	0
Tractor	No	40	84		255	0
Dozer	No	40		81.7	255	0
Dozer	No	40		81.7	255	0
Tractor	No	40	84		255	0
Tractor	No	40	84		255	0
Tractor	No	40	84		255	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.8	73.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Industrial	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	150	0
Tractor	No	40	84		150	0
Dozer	No	40		81.7	150	0
Dozer	No	40		81.7	150	0
Tractor	No	40	84		150	0
Tractor	No	40	84		150	0
Tractor	No	40	84		150	0

	Calculated (dBA)		Results						Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.5	78.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/9/2022
Case Description: Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residential - W	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		175	0
Grader	No	40	85		175	0
Excavator	No	40		80.7	175	0
Dozer	No	40		81.7	175	0
Tractor	No	40	84		175	0
Tractor	No	40	84		175	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.1	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Commercial	Commercial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		255	0
Grader	No	40	85		255	0
Excavator	No	40		80.7	255	0
Dozer	No	40		81.7	255	0
Tractor	No	40	84		255	0
Tractor	No	40	84		255	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	70.8	66.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	66.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.8	73.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		150	0
Grader	No	40	85		150	0
Excavator	No	40		80.7	150	0
Dozer	No	40		81.7	150	0
Tractor	No	40	84		150	0
Tractor	No	40	84		150	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	

Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader		75.5	71.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		71.2	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	75.5	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/9/2022
Case Description: Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residential - W	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		175	0
Crane	No	16		80.6	175	0
Front End Loader	No	40		79.1	175	0
Front End Loader	No	40		79.1	175	0
Front End Loader	No	40		79.1	175	0
Welder / Torch	No	40		74	175	0
Generator	No	50		80.6	175	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		69.7	61.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		68.2	64.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		68.2	64.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		68.2	64.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch		63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator		69.7	66.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	73.1	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Commercial	Commercial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		255	0
Crane	No	16		80.6	255	0
Front End Loader	No	40		79.1	255	0
Front End Loader	No	40		79.1	255	0
Front End Loader	No	40		79.1	255	0
Welder / Torch	No	40		74	255	0
Generator	No	50		80.6	255	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		69.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		66.4	58.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch		59.8	55.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator		66.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	69.8	70.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		150	0
Crane	No	16		80.6	150	0
Front End Loader	No	40		79.1	150	0
Front End Loader	No	40		79.1	150	0
Front End Loader	No	40		79.1	150	0
Welder / Torch	No	40		74	150	0

Generator	No	50	80.6	150	0		

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		71	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch		64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator		71.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	74.5	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/9/2022
Case Description: Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residential - W	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	175	0

		Results Calculated (dBA)		Day Noise Limits (dBA)		Evening		Night		Day Noise Limit Exceedance (dBA)		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		66.8	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	66.8	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Commercial	Commercial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	255	0

		Results Calculated (dBA)		Day Noise Limits (dBA)		Evening		Night		Day Noise Limit Exceedance (dBA)		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		63.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	63.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	150	0

		Results Calculated (dBA)		Day Noise Limits (dBA)		Evening		Night		Day Noise Limit Exceedance (dBA)		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		68.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	68.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/9/2022
Case Description: Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residential - W	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	175	0
Compressor (air)	No	40		77.7	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	66.8	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	66.8	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	66.8	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Commercial	Commercial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	255	0
Compressor (air)	No	40		77.7	255	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	63.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	63.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.5	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Industrial	Industrial	1	1	1

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	150	0
Compressor (air)	No	40		77.7	150	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	68.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	68.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	68.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

ST-6: Alburtis Ave, Near Concrete Plant

Noise Report

Summary

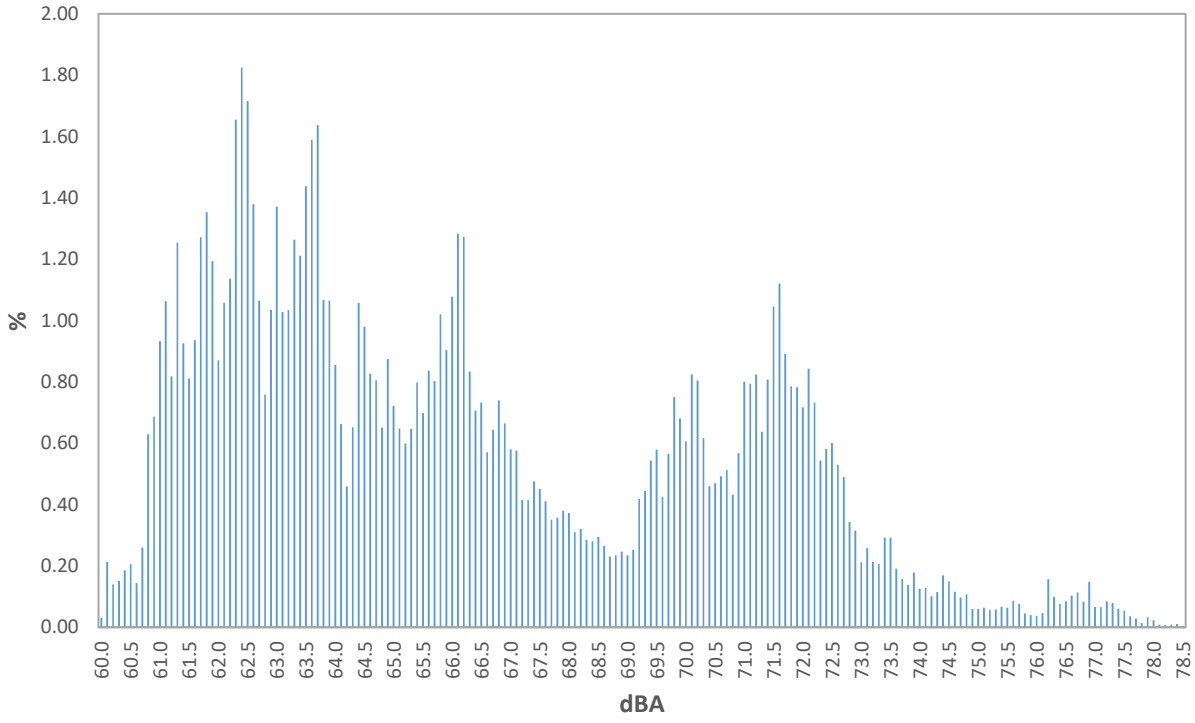
Date	May 22, 2024
Start Time	11:42am
End Time	11:57am
File Name	831_Data.128
Device Model	Larson Davis Model 831
Weighting	A
Response	Slow

Results

Description	Value	Description	Value
L_{eq}	68.5dB	L_{10}	72.1dB
L_{max}	60.0dB	L_{50}	65.5dB
L_{min}	78.5dB	L_{90}	61.7dB

LAS > 65.0 dBA (Exceedance Count/Duration): 14, 606.1
LAS > 85.0 dBA (Exceedance Count/Duration): 0, 0.0s

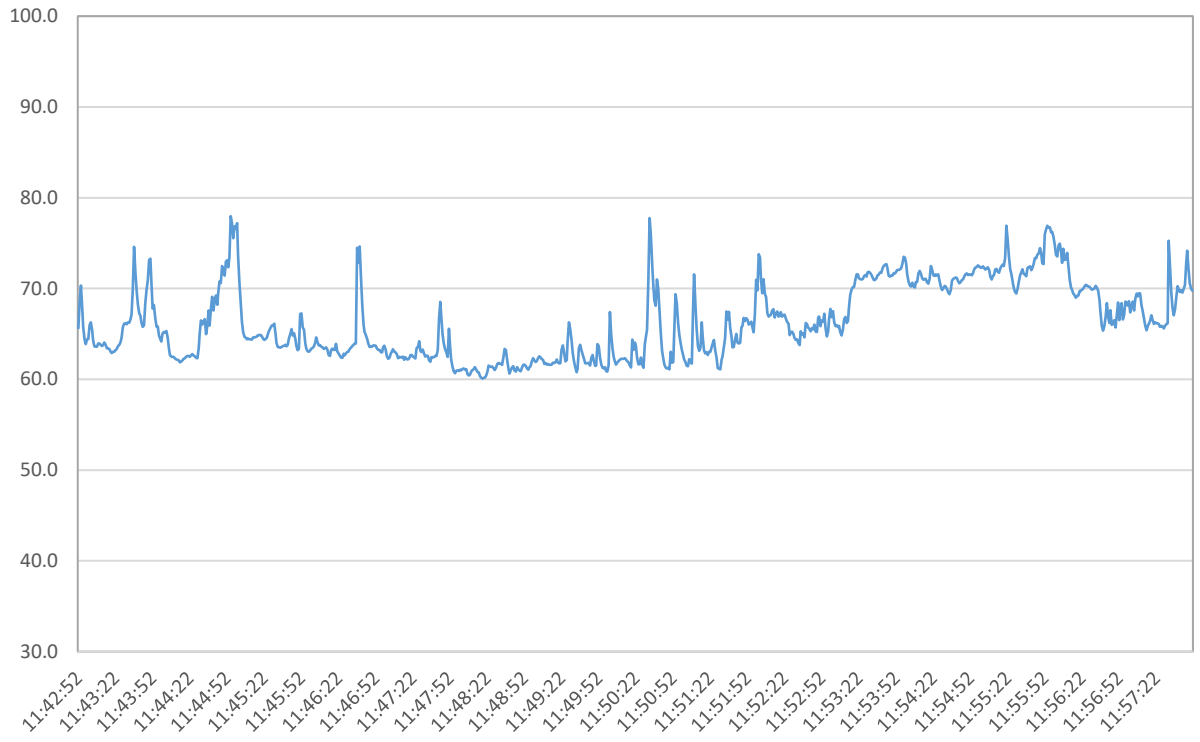
Statistics Chart



Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
60.0	0.03	0.21	0.14	0.15	0.19	0.21	0.14	0.26	0.63	0.69	2.6
61.0	0.93	1.06	0.82	1.25	0.93	0.81	0.94	1.27	1.35	1.19	10.6
62.0	0.87	1.06	1.14	1.65	1.82	1.72	1.38	1.07	0.76	1.04	12.50
63.0	1.37	1.03	1.03	1.26	1.21	1.44	1.59	1.64	1.07	1.07	12.70
64.0	0.86	0.66	0.46	0.65	1.06	0.98	0.83	0.81	0.65	0.87	7.82
65.0	0.72	0.65	0.60	0.65	0.80	0.70	0.84	0.80	1.02	0.90	7.67
66.0	1.08	1.28	1.27	0.83	0.71	0.73	0.57	0.64	0.74	0.66	8.53
67.0	0.58	0.58	0.41	0.41	0.48	0.45	0.41	0.35	0.36	0.38	4.41
68.0	0.37	0.31	0.32	0.28	0.28	0.29	0.27	0.23	0.23	0.25	2.84
69.0	0.23	0.25	0.42	0.44	0.54	0.58	0.42	0.57	0.75	0.68	4.89
70.0	0.61	0.82	0.80	0.62	0.46	0.47	0.49	0.51	0.43	0.57	5.79
71.0	0.80	0.79	0.82	0.64	0.81	1.05	1.12	0.89	0.79	0.78	8.49
72.0	0.72	0.84	0.73	0.54	0.58	0.60	0.53	0.49	0.34	0.32	5.70
73.0	0.21	0.26	0.21	0.21	0.29	0.29	0.19	0.16	0.14	0.18	2.14
74.0	0.13	0.13	0.10	0.11	0.17	0.15	0.12	0.10	0.11	0.06	1.17
75.0	0.06	0.06	0.06	0.06	0.07	0.06	0.09	0.08	0.04	0.04	0.62
76.0	0.04	0.05	0.16	0.10	0.08	0.08	0.10	0.11	0.08	0.15	0.95
77.0	0.07	0.07	0.08	0.08	0.06	0.05	0.04	0.03	0.01	0.03	0.52
78.0	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.06

Logged Data Chart



ST-7: Artesia Blvd, Near 11714 Artesia Blvd

Noise Report

Summary

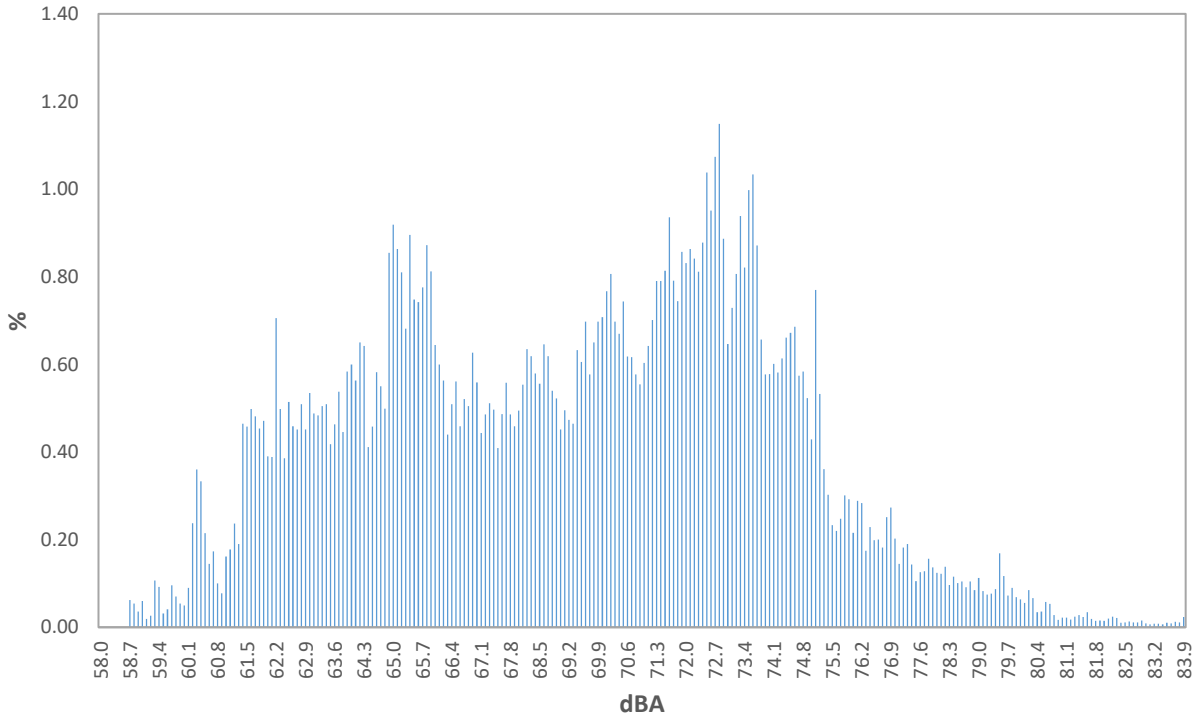
Date	May 22, 2024
Start Time	12:00pm
End Time	12:15pm
File Name	831_Data.129
Device Model	Larson Davis Model 831
Weighting	A
Response	Slow

Results

Description	Value	Description	Value
L_{eq}	71.8dB	L_{10}	75.1dB
L_{max}	83.9dB	L_{50}	69.7dB
L_{min}	58.7dB	L_{90}	62.8dB

LAS > 65.0 dBA (Exceedance Count/Duration): 16, 781.6s
LAS > 85.0 dBA (Exceedance Count/Duration): 0, 0.0s

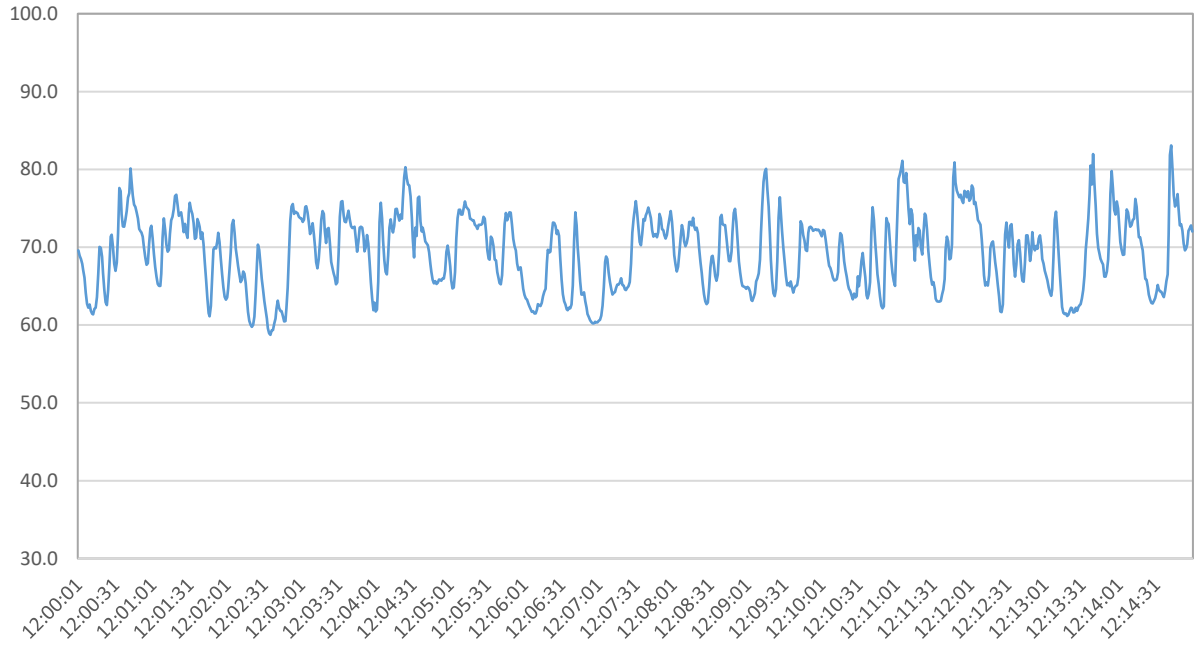
Statistics Chart



Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
58.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.05	0.04	0.2
59.0	0.06	0.02	0.03	0.11	0.09	0.03	0.04	0.10	0.07	0.05	0.6
60.0	0.05	0.09	0.24	0.36	0.33	0.21	0.14	0.17	0.10	0.08	1.78
61.0	0.16	0.18	0.24	0.19	0.46	0.46	0.50	0.48	0.45	0.47	3.59
62.0	0.39	0.39	0.71	0.50	0.39	0.51	0.46	0.45	0.51	0.45	4.75
63.0	0.53	0.49	0.48	0.50	0.51	0.42	0.46	0.54	0.45	0.58	4.97
64.0	0.60	0.56	0.65	0.64	0.41	0.46	0.58	0.55	0.50	0.85	5.81
65.0	0.92	0.86	0.81	0.68	0.90	0.75	0.74	0.78	0.87	0.81	8.12
66.0	0.64	0.60	0.56	0.44	0.51	0.56	0.46	0.52	0.50	0.63	5.43
67.0	0.56	0.44	0.49	0.51	0.50	0.41	0.49	0.56	0.49	0.46	4.89
68.0	0.49	0.55	0.63	0.62	0.58	0.56	0.65	0.62	0.54	0.52	5.76
69.0	0.45	0.50	0.47	0.46	0.63	0.61	0.70	0.58	0.65	0.70	5.74
70.0	0.71	0.77	0.81	0.70	0.67	0.74	0.62	0.62	0.58	0.55	6.76
71.0	0.60	0.64	0.70	0.79	0.79	0.81	0.94	0.79	0.74	0.86	7.67
72.0	0.83	0.86	0.84	0.81	0.88	1.04	0.95	1.07	1.15	0.89	9.32
73.0	0.65	0.73	0.81	0.94	0.82	1.00	1.03	0.87	0.66	0.58	8.08
74.0	0.58	0.60	0.58	0.61	0.66	0.67	0.69	0.57	0.58	0.52	6.07
75.0	0.43	0.77	0.53	0.36	0.30	0.23	0.22	0.25	0.30	0.29	3.69
76.0	0.22	0.29	0.28	0.17	0.23	0.20	0.20	0.18	0.25	0.27	2.30
77.0	0.20	0.14	0.18	0.19	0.14	0.11	0.13	0.13	0.16	0.14	1.51
78.0	0.12	0.12	0.14	0.10	0.12	0.10	0.10	0.09	0.10	0.08	1.08
79.0	0.11	0.08	0.07	0.08	0.09	0.17	0.12	0.07	0.09	0.07	0.95
80.0	0.06	0.06	0.08	0.07	0.03	0.04	0.06	0.05	0.03	0.02	0.50
81.0	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.01	0.02	0.22
82.0	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.15
83.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.10

Logged Data Chart



ST-8: Flallon Ave, Near 17313 Flallon Ave

Noise Report

Summary

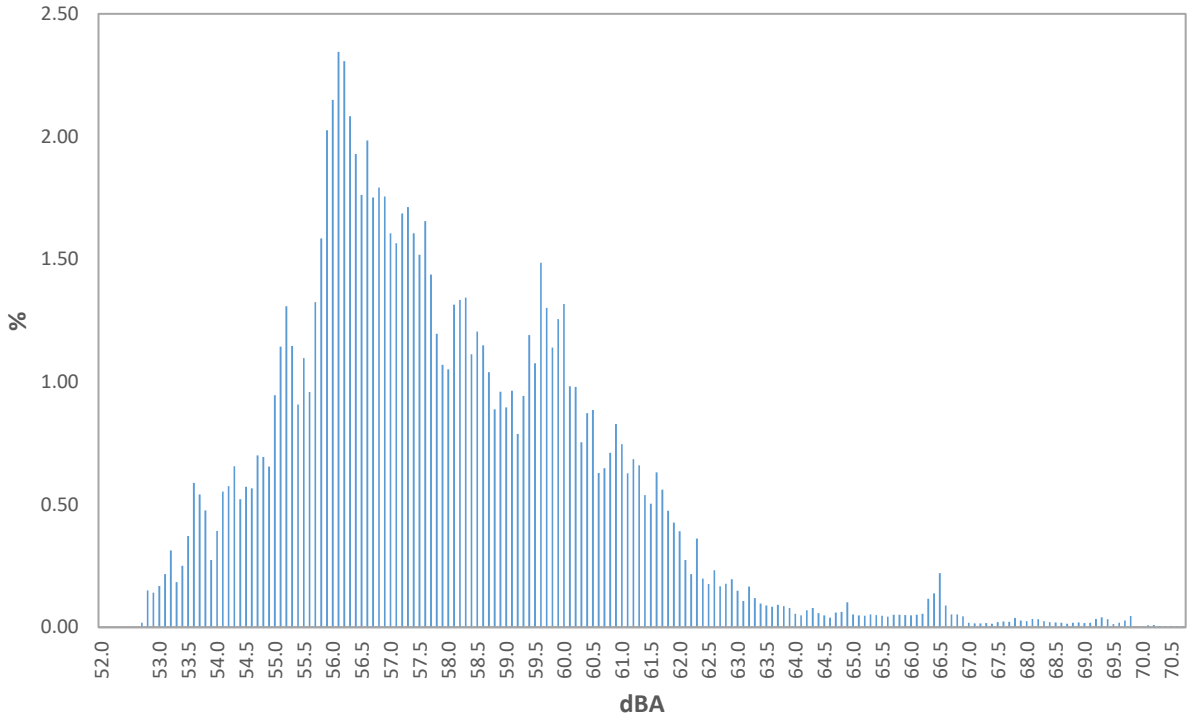
Date	May 22, 2024
Start Time	12:18pm
End Time	12:33pm
File Name	831_Data.130
Device Model	Larson Davis Model 831
Weighting	A
Response	Slow

Results

Description	Value	Description	Value
L_{eq}	59.0dB	L_{10}	61.2dB
L_{max}	70.7dB	L_{50}	57.4dB
L_{min}	52.7dB	L_{90}	55.5dB

LAS > 65.0 dBA (Exceedance Count/Duration): 6, 24.8s
LAS > 85.0 dBA (Exceedance Count/Duration): 0, 0.0s

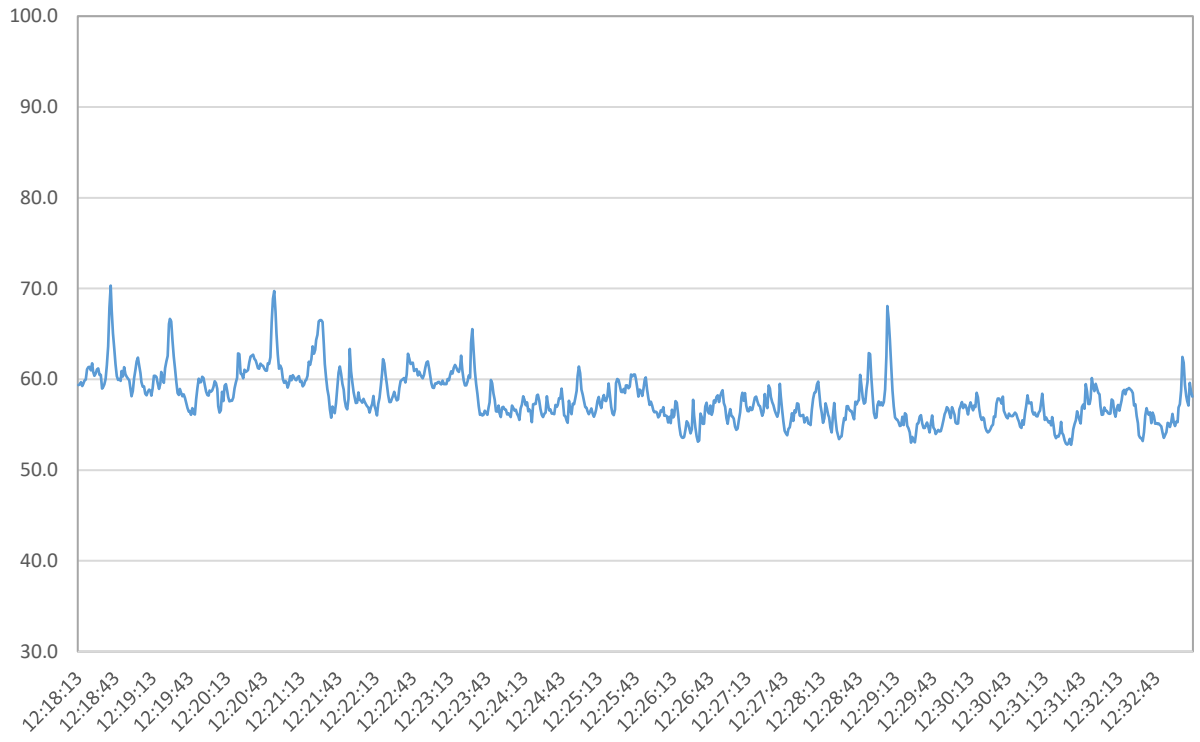
Statistics Chart



Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
52.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.14	0.3
53.0	0.17	0.22	0.31	0.18	0.25	0.37	0.59	0.54	0.48	0.27	3.4
54.0	0.39	0.55	0.58	0.66	0.52	0.57	0.57	0.70	0.69	0.65	5.89
55.0	0.95	1.14	1.31	1.15	0.91	1.10	0.96	1.33	1.58	2.03	12.44
56.0	2.15	2.34	2.31	2.08	1.93	1.76	1.98	1.75	1.79	1.76	19.86
57.0	1.61	1.56	1.69	1.71	1.61	1.52	1.66	1.44	1.20	1.07	15.05
58.0	1.05	1.31	1.33	1.34	1.11	1.21	1.15	1.04	0.89	0.96	11.40
59.0	0.90	0.96	0.79	0.94	1.19	1.08	1.49	1.30	1.14	1.26	11.04
60.0	1.32	0.98	0.98	0.75	0.87	0.89	0.63	0.65	0.71	0.83	8.61
61.0	0.75	0.63	0.68	0.66	0.54	0.50	0.63	0.56	0.47	0.43	5.85
62.0	0.39	0.27	0.22	0.36	0.20	0.18	0.23	0.17	0.18	0.20	2.39
63.0	0.15	0.11	0.17	0.12	0.10	0.09	0.08	0.09	0.09	0.08	1.06
64.0	0.05	0.05	0.07	0.08	0.06	0.05	0.04	0.06	0.06	0.10	0.62
65.0	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.49
66.0	0.05	0.05	0.05	0.12	0.14	0.22	0.09	0.05	0.05	0.04	0.87
67.0	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.04	0.03	0.21
68.0	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.23
69.0	0.02	0.02	0.03	0.04	0.03	0.01	0.02	0.03	0.05	0.00	0.25
70.0	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.04

Logged Data Chart



ST-9: Flallon Ave, Near 17213 Flallon Ave

Noise Report

Summary

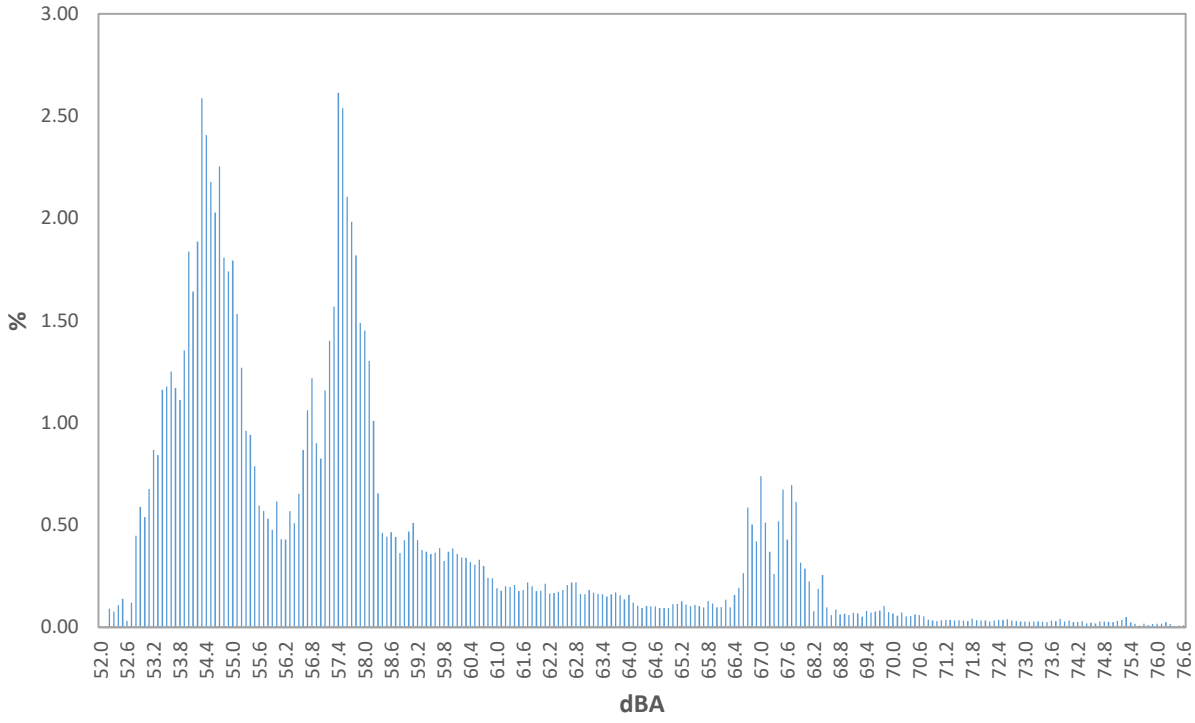
Date	May 22, 2024
Start Time	12:35pm
End Time	12:50pm
File Name	831_Data.131
Device Model	Larson Davis Model 831
Weighting	A
Response	Slow

Results

Description	Value	Description	Value
L_{eq}	61.8dB	L_{10}	66.8dB
L_{max}	76.6dB	L_{50}	57.1dB
L_{min}	52.2dB	L_{90}	53.8dB

LAS > 65.0 dBA (Exceedance Count/Duration): 19, 131.7
LAS > 85.0 dBA (Exceedance Count/Duration): 0, 0.0s

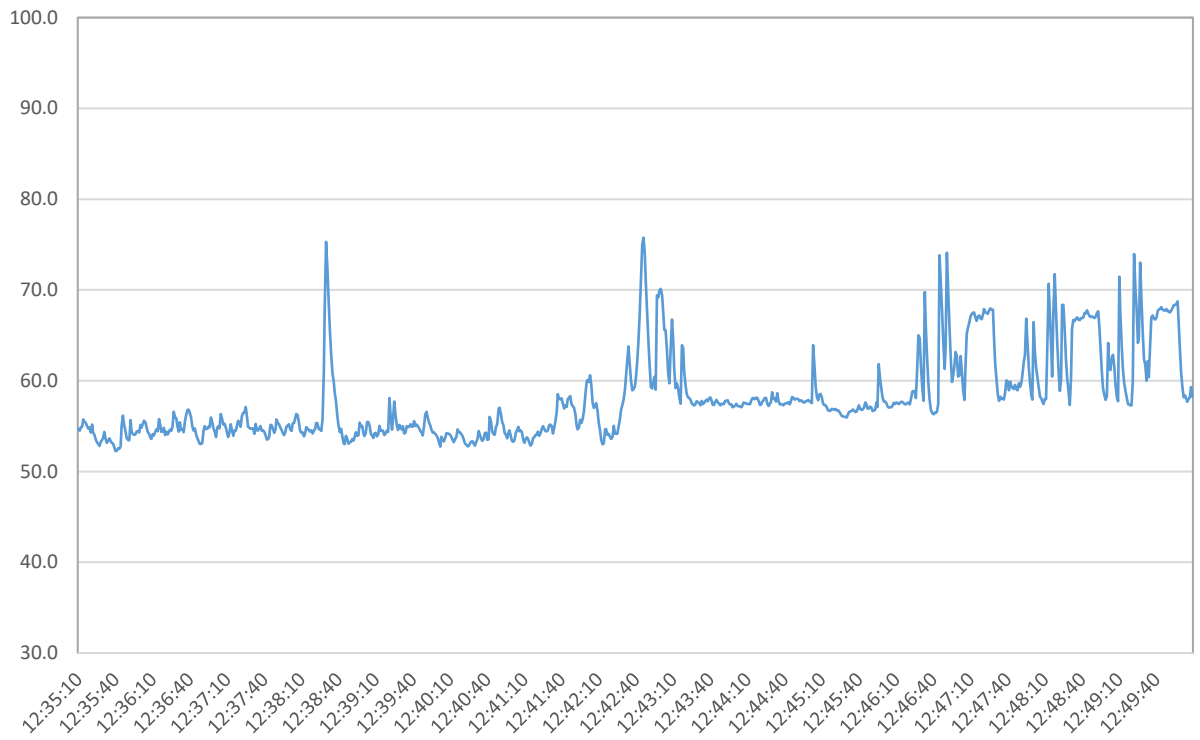
Statistics Chart



Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
52.0	0.00	0.00	0.09	0.08	0.11	0.14	0.03	0.12	0.45	0.59	1.6
53.0	0.54	0.68	0.87	0.84	1.16	1.18	1.25	1.17	1.11	1.35	10.1
54.0	1.84	1.64	1.89	2.59	2.41	2.18	2.03	2.25	1.81	1.74	20.37
55.0	1.79	1.53	1.27	0.96	0.94	0.79	0.60	0.57	0.53	0.48	9.45
56.0	0.61	0.43	0.43	0.57	0.51	0.65	0.87	1.06	1.22	0.90	7.25
57.0	0.82	1.16	1.40	1.57	2.61	2.54	2.10	1.98	1.82	1.49	17.50
58.0	1.45	1.30	1.01	0.65	0.46	0.44	0.47	0.44	0.36	0.43	7.02
59.0	0.47	0.51	0.43	0.38	0.37	0.36	0.36	0.39	0.32	0.37	3.95
60.0	0.39	0.36	0.34	0.34	0.32	0.31	0.33	0.30	0.24	0.24	3.16
61.0	0.19	0.18	0.20	0.20	0.21	0.18	0.18	0.22	0.20	0.18	1.93
62.0	0.18	0.21	0.16	0.17	0.17	0.18	0.21	0.22	0.22	0.16	1.88
63.0	0.16	0.18	0.17	0.16	0.16	0.15	0.16	0.17	0.16	0.14	1.61
64.0	0.16	0.12	0.11	0.09	0.10	0.10	0.10	0.09	0.09	0.09	1.07
65.0	0.11	0.11	0.13	0.11	0.10	0.11	0.10	0.10	0.13	0.12	1.12
66.0	0.10	0.10	0.13	0.10	0.16	0.19	0.26	0.59	0.50	0.42	2.55
67.0	0.74	0.51	0.37	0.26	0.52	0.67	0.43	0.69	0.61	0.32	5.12
68.0	0.29	0.22	0.08	0.19	0.26	0.10	0.06	0.09	0.06	0.07	1.41
69.0	0.06	0.07	0.07	0.05	0.08	0.07	0.08	0.08	0.10	0.07	0.74
70.0	0.07	0.06	0.07	0.05	0.05	0.06	0.06	0.05	0.04	0.03	0.55
71.0	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.34
72.0	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.33
73.0	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.30
74.0	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.26
75.0	0.03	0.03	0.04	0.05	0.02	0.02	0.01	0.02	0.01	0.02	0.23
76.0	0.02	0.02	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.10

Logged Data Chart



Construction Noise Impact Analysis

noah tanski environmental consulting

Flallon Avenue - Mixed Residential Uses: GRADING

Ambient Noise Level:	57.4 dBA Leq [1]

Equipment Noise Levels [2]

Equipment	Noise Level - dBA Leq	Usage %	Workday Noise Level - dBA Leq
Excavator - 1/2 acre	70.0	0.4	66.0
Bulldozer - 1/2 acre	73.3	0.4	69.3
Loader - 1/2 acre	65.6	0.4	61.6
-	0	1	0.0
-	0	1	0.0
		Combined dBA Leq:	71.5

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	71.5 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Construction Noise Level	71.5 dBA Leq
Ambient Noise Level	57.4 dBA
Construction + Ambient Noise Level	71.6 dBA Leq
Noise Increase	**14.2 dBA**

Mitigated Construction Noise Impact

Combined Equipment Noise Level	71.5 dBA Leq
Noise Barrier Shielding	15 dBA
Ground Factor	0
Construction Noise Level	56.5 dBA Leq
Ambient Noise Level	57.4 dBA
Construction + Ambient Noise Level	60.0 dBA Leq
Noise Increase	**2.6 dBA**

Notes:

[1] The lowest ambient noise level measured along Flallon Avenue is utilized to be conservative.

[2] Noise level calculated based on one excavator, one bulldozer, and one loader operating over an approximately 0.5-acre area. Reference noise levels and usage factors based on FHWA RCNM 2.0 data.

Construction Noise Impact Analysis

noah tanski environmental consulting

11714 Artesia Boulevard - Single Family Residence: GRADING

Ambient Noise Level:	68.3 dBA Leq [1]

Equipment Noise Levels [2]

Equipment	Noise Level - dBA Leq	Usage %	Workday Noise Level - dBA Leq
Excavator - 1/2 acre	63.9	0.4	59.9
Bulldozer - 1/2 acre	67.2	0.4	63.2
Loader - 1/2 acre	59.6	0.4	55.6
-	0	1	0.0
-	0	1	0.0
		Combined dBA Leq:	65.4

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	65.4 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0

Construction Noise Level	65.4 dBA Leq
Ambient Noise Level	68.3 dBA
New Noise Level	70.1 dBA Leq
Noise Increase	**1.8 dBA**

Notes:

[1] The lowest ambient noise level measured along Artesia Boulevard is utilized to be conservative.

[2] Noise level calculated based on one excavator, one bulldozer, and one loader operating over an approximately 0.5-acre area. Reference noise levels and usage factors based on FHWA RCNM 2.0 data.

Construction Noise Impact Analysis

noah tanski environmental consulting

175th Street - Single Family Residences: GRADING

Ambient Noise Level:	54.5 dBA Leq [1]

Equipment Noise Levels [2]

Equipment	Noise Level - dBA Leq	Usage %	Workday Noise Level - dBA Leq
Excavator - 1/2 acre	60.0	0.4	56.0
Bulldozer - 1/2 acre	63.3	0.4	59.3
Loader - 1/2 acre	55.7	0.4	51.7
-	0	1	0.0
-	0	1	0.0
		Combined dBA Leq:	61.5

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	61.5 dBA Leq
Existing Shielding (building rows)	5 dBA
Ground Factor	0

Construction Noise Level	56.5 dBA Leq
Ambient Noise Level	54.5 dBA
New Noise Level	58.6 dBA Leq
Noise Increase	**4.1 dBA**

Notes:

[1] The lowest ambient noise level measured along 175th Street is utilized to be conservative.

[2] Noise level calculated based on one excavator, one bulldozer, and one loader operating over an approximately 0.5-acre area. Reference noise levels and usage factors based on FHWA RCNM 2.0 data.

Appendix 4.9

Los Angeles County Fire Department Review

COUNTY OF LOS ANGELES FIRE DEPARTMENT
FIRE PREVENTION DIVISION

Land Development Unit
5823 Rickenbacker Road
Commerce, CA 90040
Telephone (323) 890-4293, Fax (323) 890-9783

EPIC-LA NUMBER:	FLDU2022010635	PROJECT NUMBER:	TR83834
CITY/COMMUNITY:	Artesia	STATUS:	Cleared
PROJECT ADDRESS:	11709 Artesia Boulevard Artesia, CA 90701	DATE:	05/01/2024

CONDITIONS

1. Tentative Parcel Map 83834 has satisfied the County of Los Angeles Fire Department Fire Prevention Division Land Development Unit review requirements.
2. All proposed structures accessed by the Fire Department for emergency response from Fallon Avenue shall be addressed from Fallon Avenue.
   All proposed structures accessed by the Fire Department for emergency response from Artesia Boulevard shall be addressed from Artesia Boulevard.
   All proposed structures accessed by the Fire Department for emergency response from Fallon Avenue shall be addressed from Fallon Avenue.
3. Install 1public fire hydrant(s) as noted by the Fire Department on the Tentative Map mark-up dated September 22, 2022. All required public fire hydrants shall be installed, tested and accepted prior to beginning construction. All fire hydrants shall measure 6”x 4"x 2-1/2" brass or bronze, conforming to current AWWA standard C503 or approved equal, and shall be installed in accordance with the County of Los Angeles Fire Code. Fire Code 501.4

For any questions regarding the report, please contact Nancy Rodeheffer at (323) 890-4243 or Nancy.Rodeheffer@fire.lacounty.gov.

Reviewed by:

PUBLIC FIRE HYDRANT REQUIREMENTS

County of Los Angeles
Fire Department
Fire Prevention Division
Land Development Unit

Install ___ Public
Install ___ Private

6"x 4"x 2 1/2" Fire Hydrants
Conforming to American Waterworks
Association Standard C503

REQUIRED FIRE FLOW
1,625 GPM @ 20PSI FOR 2 HOURS

05/01/2024

SETBACK FOR POWER LINE

EX CURB
PROP. LINE

EX. OVERHEAD POWER LINE
EX. POWER POLE

PROPOSED ROW
PARKWAY
3' MIN. LANDSCAPE DEDICATION
7' SIDEWALK

APPROVED
ACCESS REQUIREMENT ONLY

County of Los Angeles
Fire Department
Fire Prevention Division
Land Development Unit

05/01/2024

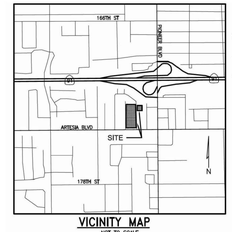
COMMON GFEEN 3
COMMON GFEEN 2
COMMON GFEEN 1
LIVEWORK PLAZA

PROP. LINE
EX CURB

0 30' 120'
15' 60'

FIRE ACCESS PLAN

SITE AREA-GROSS	+/- 4.98 ACRES
YIELD	120 UNITS
DENSITY	24.0 DU/AC



VICINITY MAP
NOT TO SCALE

ADDRESS:

11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

FLOOR AREA

BUILDING TYPE	BUILDING NUMBER ON SITE	SQ. FT. PER BLDG	NO. OF BLDG ON SITE	TOTAL SQ. FT.
B4 (4-PLEX)	8 , 9	5712	2	11424
B4L (4-PLEX LIVEWORK)	10 , 11	8048	2	16096
B6 (6-PLEX)	12 , 13	6043	2	12086
B6Z (6-PLEX)	21 , 22	5538	2	11076
B5 (5-PLEX)	3 , 4, 5, 6 , 7 , 17 , 18 , 19 , 20	7675	9	69075
B7 (7-PLEX)	1 , 2 , 14 , 15 , 16	10614	5	53070
		TOTAL:	22	172,827

SQUARE FOOTAGE OF CONSTRUCTION

BUILDING TYPE	BUILDING NUMBER ON SITE	SQ. FT. PER BLDG	NO. OF BLDG ON SITE	TOTAL SQ. FT.
B4 (4-PLEX)	8 , 9	7950	2	15900
B4L (4-PLEX LIVEWORK)	10 , 11	10609	2	21218
B6 (6-PLEX)	12 , 13	8118	2	16236
B6Z (6-PLEX)	21 , 22	7338	2	14676
B5 (5-PLEX)	3 , 4, 5, 6 , 7 , 17 , 18 , 19 , 20	10925	9	98325
B7 (7-PLEX)	1 , 2 , 14 , 15 , 16	15105	5	75525
		TOTAL:	22	241,880

CONSTRUCTION - TYPE VB

PARKING:

PROVIDED:

22 UNITS x 1 IN GARAGE=	22 SPACES
98 UNITS x 2 IN GARAGE=	196 SPACES
RESIDENTIAL-OPEN PARKING=	15 SPACES
LIVEWORK PARKING=	9 SPACES
TOTAL:	242 SPACES

OFF SITE STREETCURB PARKING = 34 SPACES ADD'L

OPEN SPACE:

PROVIDED:

COMMON RESIDENTIAL:	8,790 SF (COMMON GREEN 1,2 &3)
	23,712 SF (PASEOS & WALKS)
LIVEWORK TERRACE:	688 SF
TOTAL COMMON:	33,190 SF
PRIVATE RESIDENTIAL:	760 SF (P 2 DECK- 10 X 76 SF)
	1,862 SF (P 3A DECK- 19 X 98 SF)
	2,142 SF (P 3B DECK- 14 X 153 SF)
	3,300 SF (P 4 DECK- 33 X 100 SF)
	1,414 SF (P 5 DECK- 14 X 101 SF)
	980 SF (P 6 DECK- 8 X 123 SF)
TOTAL PRIVATE:	10,462 SF

PRODUCTS:

PRODUCT 1- TOWNHOUSES - 112 UNITS:

22	PLAN 1 - 923 SF- 1 BED, 1 BA, 1 CAR GAR.
10	PLAN 2 - 1,428 SF- 3 BED, 2.5 + .5 BA, 2 CAR GAR.
19	PLAN 3a - 1,383 SF, 3 BED, 3.0 BA, 2 CAR GAR.
14	PLAN 3b - 1,328 SF, 2 BED, 2.5 BA, 2 CAR GAR.
33	PLAN 4 - 1,556 SF, 3 BED, 3.5 BA, 2 CAR GAR.
14	PLAN 5 - 1,852 SF, 4 BED, 3.5 BA, 2 CAR GAR.
112	

PRODUCT 2- LIVEWORK- 8 UNITS

8	PLAN 6 - 1,691 SF, 3 BED + 321 SF WORK, 3.5 BA 2 CAR GAR.

Angeleno Associates, Inc.
147 City Place Drive, Santa Ana , Ca 92705
www. angelenoarchitects.com Tel: (714) 285-1888

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ARTESIA DEVELOPMENT
ARTESIA, CA

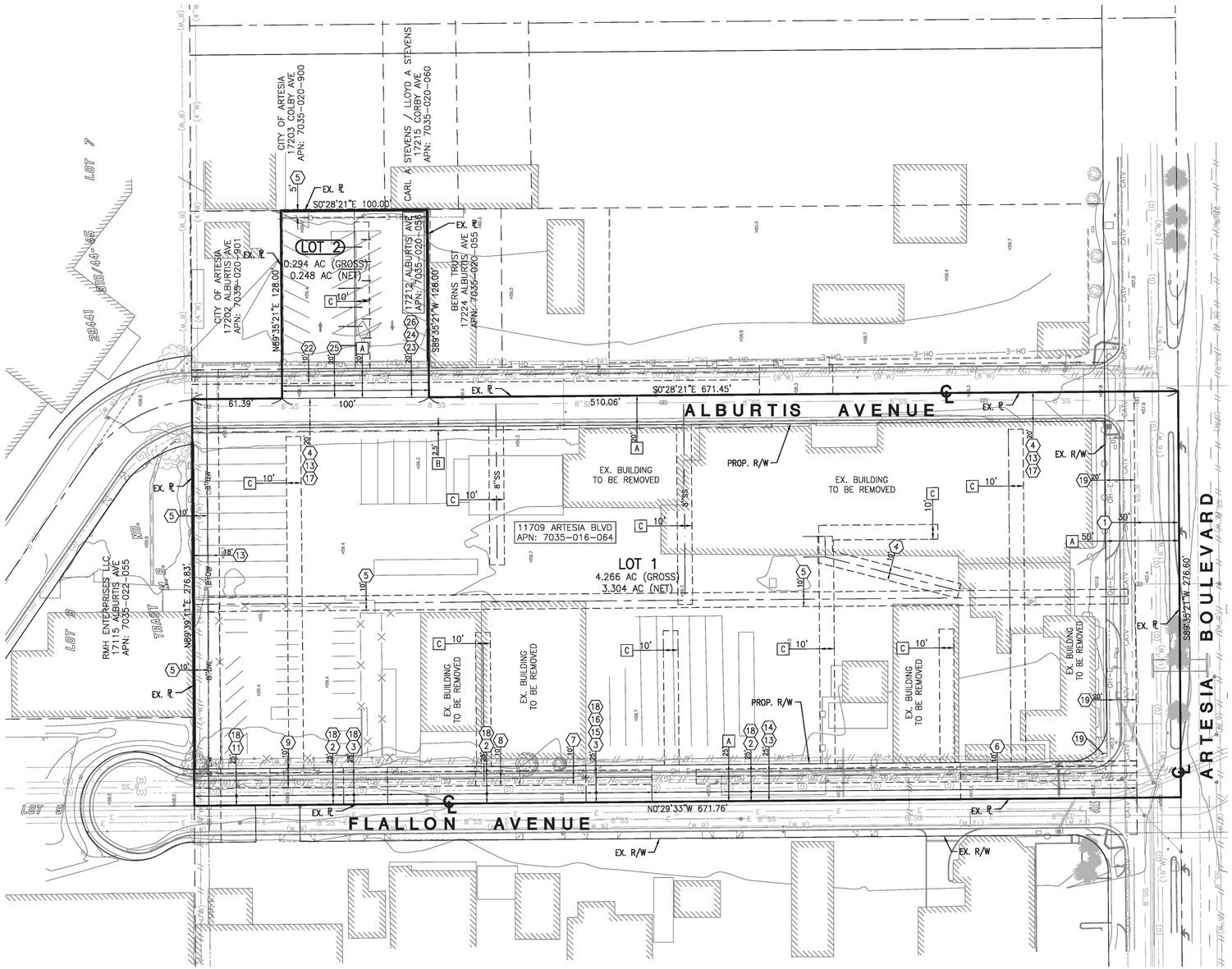
urban

03.19.24

VESTING TENTATIVE TRACT MAP NO. 83834

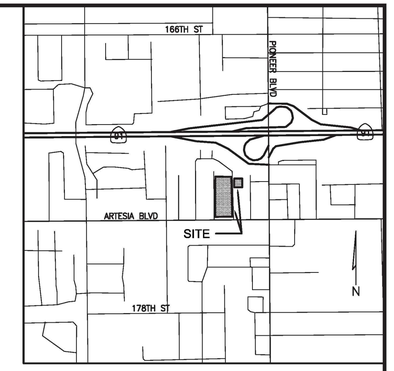
LOTS 1 & 2 FOR CONDOMINIUM PURPOSES

IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA



1" = 40'

0 20 40 80



VICINITY MAP
SCALE: NONE

SHEET INDEX:

1 – VESTING TENTATIVE TRACT MAP
2 – EXISTING EASEMENTS & LEGAL DESCRIPTION
3 – PRELIMINARY GRADING PLAN
4 – PRELIMINARY UTILITY PLAN
5 – FIRE ACCESS & HYDRANT LOCATION PLAN

SUBDIVIDER:

G3 URBAN
15235 S. WESTERN AVE.
GARDENA, CA 90249
(213) 400-5358
CONTACT: JORDAN GARDNER

ENGINEER:

C&V CONSULTING, INC.
9830 IRVINE CENTER DRIVE
IRVINE, CA 92618
(949) 916-3800
CONTACT: RYAN J. BITTNER

ENGINEER'S STATEMENT:

THIS TENTATIVE MAP WAS PREPARED BY ME, OR UNDER MY DIRECTION ON APRIL 29, 2024.

RYAN J. BITTNER, R.C.E. 68167

LEGAL DESCRIPTION:

SEE SHEET 2

SITE ADDRESS:

11709 ARTESIA BOULEVARD
ARTESIA, CA 90701

VESTED OWNER:

ARTESIA & FLALLON, LLC, A DELAWARE LIMITED LIABILITY COMPANY

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING NORTH 04°26'27" EAST BETWEEN CALIFORNIA SPATIAL REFERENCE CENTER, CSRS, CONTINUOUSLY OPERATING REFERENCE STATIONS, CORS, "LBC1" AND "DYH2".

DATUM STATEMENT:

ALL COORDINATES SHOWN HEREON ARE GRID VALUES BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE V, NORTH AMERICAN DATUM OF 1983, 2010.00 EPOCH, NAD83(2011), IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819. ALL DISTANCES SHOWN HEREON ARE GROUND VALUES UNLESS OTHERWISE NOTED. A GENERALIZED COMBINATION SCALE FACTOR OF 1.00004 WAS USED FOR THIS PROJECT AT NORTHING 1776744.575, EASTING 6536079.555. TO OBTAIN GRID DISTANCES, MULTIPLY GROUND DISTANCES BY THE COMBINATION SCALE FACTOR.

BENCHMARK STATEMENT:

LA COUNTY PUBLIC WORKS BENCHMARK NO. 2Y12313
ELEV: 59.203 (NAVD88)
DESCRIBED AS: L&DPW IN E CB 300MM(1') N/O BCR @ SE COR PIONEER BL & ARTESIA BL

FLOOD NOTE:

THE SUBJECT PROPERTY FALLS WITHIN ZONE X "SHADED" PER FEMA MAP NO. 06037C1980F, A PRINTED PANEL, EFFECTIVE 9/26/2008 (TABLE A-3).

LAND USE SUMMARY:

GROSS AREA: 4.560 AC
NET AREA: 3.552 AC
TOTAL PROPOSED LOTS: 2
LOT 1 PROPOSED DWELLING UNITS: 108
LOT 2 PROPOSED DWELLING UNITS: 12
TOTAL PROPOSED DWELLING UNITS : 120
EXISTING ZONING: ARTESIA BOULEVARD CORRIDOR SPECIFIC PLAN

NUMBERED LOT SUMMARY

LOT	AREA
1	143,905 S.F.
2	10,800 S.F.

UTILITY PURVEYORS & SERVICES:

WATER: GOLDEN STATE WATER COMPANY; PHONE: (562) 865-2111
SEWER: CITY OF ARTESIA; PHONE:
ELECTRIC: SOUTHERN CALIFORNIA EDISON; PHONE: (800) 655-4555
GAS: SO CAL GAS; PHONE: (800) 427-2200
TELEPHONE/CABLE: FRONTIER (877) 989-6204 [OR] SPECTRUM (877) 551-7027
SOLID WASTE AND RECYCLE: CR&R; PHONE: (800) 826-9677
INDUSTRIAL WASTE: LACPW; PHONE (323) 887-4456
SCHOOL DISTRICT: ABC UNIFIED SCHOOL DISTRICT PHONE: (562) 926-5566

EXISTING EASEMENTS:

SEE SHEET 2 FOR EXISTING EASEMENTS NOTES

PROPOSED EASEMENTS:

[A] INDICATES AN EASEMENT FOR PUBLIC STREETS & HIGHWAYS
[B] INDICATES AN EASEMENT FOR PEDESTRIAN WALKWAY PURPOSE
[C] INDICATES AN EASEMENT FOR SANITARY SEWER PURPOSES DEDICATED TO THE CITY OF ARTESIA

LEGEND:

AP	ANGLE POINT
ASPH	ASPHALT PAVEMENT
BC	BUILDING CORNER
BEG	BEGIN
BO	BLOW-OFF VALVE
BLDG	BUILDING
BW	BLOCK WALL
CB	CATCH BASIN
CF	CURB FACE
CLF	CHAIN LINK FENCE
CMF	CORRUGATED METAL FENCE
CONC	CONCRETE PAVEMENT
C&G	CURB AND GUTTER
DI	DRAIN INLET
DW	DOMESTIC WATER
DWY	DRIVEWAY
ELEC.	ELECTRICAL
EX.	EXISTING
FH	FIRE HYDRANT
GM	GAS METER
GSWC	GOLDEN STATE WATER CO.
HS	HARDSCAPE
LAT	LATERAL
LS	LANDSCAPING
MH	MANHOLE
OH-E	OVERHEAD ELECTRICAL LINE
PKWY	PARKWAY
P/L	PROPERTY LINE
PP	POWER POLE
RET	RETAINING
ROW	RIGHT-OF-WAY
SD	STORM DRAIN
SFH	SINGLE-FAMILY HOME
SMH	SHALLOW MANHOLE
SS	SANITARY SEWER
ST LT	STREET LIGHT
TE	TRASH ENCLOSURE
TEMP	TEMPORARY
TF	TRANSFORMER
TSPB	TRAFFIC SIGNAL PULLBOX
WF	WOOD FENCE
WL	WALL
WM	WATER METER
V	VALVE

SYMBOLS:

○ BO	BLOW-OFF VALVE
□ DI	DRAIN INLET
FH	FIRE HYDRANT
	LIGHT STANDARD
Ⓜ	STORM DRAIN MANHOLE
Ⓢ	SANITARY SEWER MANHOLE
	SIGN POST
GM	GAS METER
WM	WATER METER
⊗V	UTILITY VALVE
	UTILITY/POWER POLE
	BLOCK/RETAINING SCREEN WALL
	BLOCK/RETAINING LOW WALL
	PLANTER/DECORATIVE WALL
—OH-E—	OVERHEAD WIRE
	EDGE OF ASPHALT PAVEMENT
	WOOD/WROUGHT IRON FENCE
—X—	CHAIN LINK FENCE
	DIRECTION OF FLOW
—93—	MINOR CONTOUR (1' INTERVAL)
—100—	MAJOR CONTOUR (5' INTERVAL)
×91.5	SPOT ELEVATION

PREPARED FOR:

G3 URBAN
15235 S WESTERN AVE.
GARDENA, CA 90249
(213) 400-5358

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
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INFO@CVC-INC.NET
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REGISTERED PROFESSIONAL ENGINEER
RYAN J. BITTNER
No. 68167
CIVIL
STATE OF CALIFORNIA

CITY OF ARTESIA
COMMUNITY DEVELOPMENT DEPARTMENT

VESTING TENTATIVE TRACT NO. 83834
11709 ARTESIA BOULEVARD
ARTESIA, CA
TENTATIVE TRACT MAP

PROJECT NO. GTHR-006

SHEET 1 OF 5

PLAN SET: PSD2
DATE: 4/29/2024

P:\GTHR-006\DWG\ARDSTVTM-01-TITLE.DWG
BY: DAVID ACOSTA

TITLE INFORMATION:

THE FOLLOWING TITLE INFORMATION WAS DERIVED FROM A PRELIMINARY TITLE REPORT ISSUED BY CHICAGO TITLE COMPANY, ORDER NO.: 00195905-994-LT2-JC DATED JUNE 27, 2023 AT 7:30 A.M.

1. A RESERVATION CONTAINED IN THE DEED FROM THE STEARNS RANCHOS COMPANY, RECORDED IN BOOK 746 PAGE 10 OF DEEDS, AND FROM EFFIE M. PATTERSON AND J.W. PATTERSON, RECORDED IN BOOK 1776 PAGE 312, OF DEEDS, AS FOLLOWS: RESERVING THEREFROM ROADS, RAILROADS AND DITCHES, AS STRIP OF LAND 30 FEET WIDE ALONG, ADJOINING, AND EACH SIDE OF THE TOWNSHIP AND SECTION LINES ALSO RESERVING THE USE AND CONTROL OF CIENEGAS AND NATURAL STREAMS OF WATER, IF ANY, NATURALLY UPON, FLOWING ACROSS, INTO OR BY SAID GRANTED TRACT, AND RESERVING AN EASEMENT FOR IRRIGATION OR DRAINAGE DITCHES THROUGH SAID TRACT TO IRRIGATE OR DRAIN THE ADJACENT LAND. RECORDED ON JUNE 10, 1918 IN BOOK 6678 PAGE 217 OF DEEDS, APPEARS THE RECORD OF A QUITCLAIM DEED WHEREIN THE STEARNS RANCHOS COMPANY, A CORPORATION PURPORTS TO CONVEY TO THE COUNTY OF LOS ANGELES ALL INTEREST IN SAID RESERVATIONS.

2. A RESERVATION FOR INGRESS, EGRESS, ROAD, PUBLIC STREET AND PUBLIC UTILITIES PER DOCUMENTS RECORDED NOVEMBER 22, 1923 IN BOOK 2980 PAGE 8, OCTOBER 19, 1926 IN BOOK 6084 PAGE 285, FEBRUARY 11, 1928 IN BOOK 7087 PAGE 183, DECEMBER 5, 1930 IN BOOK 10442 PAGE 303, APRIL 11, 1947 IN BOOK 24467 PAGE 202, SEPTEMBER 3, 1952 IN BOOK 39759 PAGE 391, FEBRUARY 16, 1956 IN BOOK 50338 PAGE 66, APRIL 11, 1956 IN BOOK 50850 PAGE 101, APRIL 12, 1956 IN BOOK 50863 PAGE 100, JANUARY 18, 1957 IN BOOK 53404 PAGE 138, AND SEPTEMBER 17, 1958 IN BOOK D-217 PAGE 805, ALL OF OFFICIAL RECORDS.

3. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: GUARANTEE TITLE COMPANY OF LONG BEACH, A CORPORATION PURPOSE: ROAD; RECORDING DATE: APRIL 9, 1925; RECORDING NO: IN BOOK 3967 PAGE 62, OF OFFICIAL RECORDS

4. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS RESERVED IN A DOCUMENT; PURPOSE: INGRESS, EGRESS, ROAD, PUBLIC STREET AND PUBLIC UTILITIES RECORDED: JANUARY 14, 1947 IN BOOK 24030 PAGE 392, MAY 12, 1947 IN BOOK 24577 PAGE 170, NOVEMBER 25, 1952 IN BOOK 40376 PAGE 81, JANUARY 18, 1954 IN BOOK 43609 PAGE 144, MAY 25, 1955 IN BOOK 47874 PAGE 324, AND APRIL 5, 1957 IN BOOK 54131 PAGE 140, ALL OF OFFICIAL RECORDS.

5. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY AND ASSOCIATED TELEPHONE COMPANY, LTD; PURPOSE: POLE LINES; RECORDING NO: IN BOOK 35142 PAGE 255, OF OFFICIAL RECORDS.

6. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: SOUTHERN CALIFORNIA GAS COMPANY, A CORPORATION; PURPOSE: PIPE LINES; RECORDING DATE: JUNE 15, 1951; RECORDING NO: IN BOOK 36545 PAGE 341, OF OFFICIAL RECORDS

7. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: SOUTHERN CALIFORNIA GAS COMPANY, A CORPORATION; PURPOSE: PIPE LINES; RECORDING DATE: MARCH 28, 1952; RECORDING NO: IN BOOK 38583 PAGE 416, OF OFFICIAL RECORDS

8. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: SOUTHERN CALIFORNIA GAS COMPANY, A CORPORATION; PURPOSE: PIPE LINES; RECORDING DATE: APRIL 25, 1952; RECORDING NO: IN BOOK 38795 PAGE 235, OF OFFICIAL RECORDS

9. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: SOUTHERN CALIFORNIA GAS COMPANY; PURPOSE: PIPE LINES; RECORDING NO: IN BOOK 39159 PAGE 325, OF OFFICIAL RECORDS

10. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION; PURPOSE: POLES; RECORDING DATE: JUNE 17, 1952; RECORDING NO: IN BOOK 39183 PAGE 23, OF OFFICIAL RECORDS.

11. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: BUILDERS AND PROPERTY DEVELOPERS, INC. PURPOSE: PUBLIC UTILITY AND ROADS RECORDING NO: IN BOOK 39759 PAGE 391, OF OFFICIAL RECORDS AFFECTS: THE WESTERLY 25 FEET OF PARCEL 4 AS DESCRIBED IN THE DOCUMENT ATTACHED HERETO.

13. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT:IN FAVOR OF: PACIFIC WATER COMPANY, A CORPORATION; PURPOSE: PIPE LINES; RECORDING DATE: FEBRUARY 17, 1955; RECORDING NO: IN BOOK 46947 PAGE 362, OF OFFICIAL RECORDS

14. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: BUILDERS AND PROPERTY DEVELOPERS, INC., A CORPORATION PURPOSE: INGRESS, EGRESS AND ROADS; RECORDING DATE: FEBRUARY 16, 1956; RECORDING NO: IN BOOK 50338 PAGE 66, OF OFFICIAL RECORDS

15. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: BUILDERS AND PROPERTY DEVELOPERS, INC., A CORPORATION; PURPOSE: ROAD AND UTILITY; RECORDING DATE: MARCH 13, 1956; RECORDING NO: IN BOOK 50585 PAGE 322, OF OFFICIAL RECORDS

17. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: THE COUNTY OF LOS ANGELES OR THE CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: MAY 18, 1959; RECORDING NOS: IN BOOK D-470 PAGE 681 AND IN BOOK D-470 PAGE 679, BOTH OF OFFICIAL RECORDS

18. AN EASEMENT OVER THE WESTERLY 25 FEET OF PARCEL 1 FOR PUBLIC ROAD AND HIGHWAY PURPOSES AS GRANTED TO THE CITY OF ARTESIA IN DEEDS RECORDED AUGUST 1, 1960 IN BOOK D-929 PAGE 156, OFFICIAL RECORDS, AND RECORDED AUGUST 9, 1960 IN BOOK D-938 PAGE 942, OFFICIAL RECORDS, AND RECORDED AUGUST 9, 1960 IN BOOK D-938 PAGE 940, OFFICIAL RECORDS AND RECORDED SEPTEMBER 8, 1960 IN BOOK D-970 PAGE 78, OFFICIAL RECORDS, AND RECORDED NOVEMBER 30, 1960 IN BOOK D-1050 PAGE 441, OFFICIAL RECORDS.

19. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: IN FAVOR OF: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: MARCH 6, 1964; RECORDING NO: IN BOOK D-2385 PAGE 867, OF OFFICIAL RECORDS

20 (SAME AS ITEM 1)

21 (SAME AS ITEM 5)

22. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: PURPOSE: PIPELINES; RECORDING DATE: JULY 11, 1952; RECORDING NO: 3260, IN BOOK 39363 PAGE 156, OF OFFICIAL RECORDS

23. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: PURPOSE: ROAD AND UTILITIES; RECORDING DATE: SEPTEMBER 11, 1950; RECORDING NO: 168, IN BOOK 34254 PAGE 206, OF OFFICIAL RECORDS

24. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: PURPOSE: INGRESS, EGRESS AND UTILITIES; RECORDING DATE: OCTOBER 27, 1953; RECORDING NO: 862, IN BOOK 43020 PAGE 79, OF OFFICIAL RECORDS

25. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: PURPOSE: INGRESS AND EGRESS TO BE USED IN COMMON WITH OTHERS, UTILITY AND ROAD PURPOSES RECORDING DATE: JULY 17, 1953; RECORDING NO: 565, IN BOOK 42234 PAGE 357, OF OFFICIAL RECORDS

26. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT: PURPOSE: ROAD PURPOSES; RECORDING DATE: SEPTEMBER 18, 1969; RECORDING NO: 2729, OF OFFICIAL RECORDS

THE FOLLOWING TITLE ITEMS ARE OUTSIDE OF AREA. THESE ITEMS WERE PURPOSEFULLY INCLUDED AS PART OF A STREET SEARCH TO DETERMINE WHICH PORTIONS WEST OF THE CENTERLINE OF FLALLON AVENUE ARE DEDICATED AS PUBLIC ROAD TO CORROBORATE THE RIGHT OF WAY AS SHOWN ON ASSESSOR'S PARCEL MAP BOOK 7035, PAGE 16. THESE ITEMS ARE NOT INDIVIDUALLY PLOTTED, BUT ARE NOTED HEREON FOR REFERENCE:

30 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA PURPOSE: PUBLIC ROAD AND HIGHWAY RECORDING DATE: AUGUST 1, 1960 RECORDING NO: 3511, OF OFFICIAL RECORDS

31 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 1, 1960; RECORDING NO: 3514, OF OFFICIAL RECORDS

32 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 1, 1960; RECORDING NO: 3515, OF OFFICIAL RECORDS

33 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 1, 1960; RECORDING NO: 3517, OF OFFICIAL RECORDS

34 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 1, 1960; RECORDING NO: 3517, OF OFFICIAL RECORDS

35 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 9, 1960; RECORDING NO: 3164, OF OFFICIAL RECORDS

36 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 9, 1960; RECORDING NO: 3165, OF OFFICIAL RECORDS

37 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 9, 1960; RECORDING NO: 3168, OF OFFICIAL RECORDS

38 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 9, 1960; RECORDING NO: 3169, OF OFFICIAL RECORDS.

39 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 9, 1960; RECORDING NO: 3170, OF OFFICIAL RECORDS

40 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: AUGUST 9, 1960; RECORDING NO: 3171, OF OFFICIAL RECORDS

41 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: OCTOBER 6, 1960; RECORDING NO: 3312, OF OFFICIAL RECORDS; AND RE-RECORDED: DECEMBER 2, 1960; RECORDING NO.: 3479, OF OFFICIAL RECORDS.

42 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF ARTESIA; PURPOSE: PUBLIC ROAD AND HIGHWAY; RECORDING DATE: OCTOBER 27, 2004; RECORDING NO: 04-2768371, OF OFFICIAL RECORDS

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF ARTESIA, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS

PARCEL A:

PARCEL 1:

THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS COYOTES, IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN UPON A MAP RECORDED IN BOOK 41819 PAGES 141 ET SEQ., OF OFFICIAL RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE NORTH LINE OF SAID SOUTHWEST QUARTER DISTANT THEREON NORTH 89° 33' 05" EAST 520 FEET FROM THE NORTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE PARALLEL WITH THE WEST LINE OF SAID SOUTHWEST QUARTER SOUTH 0° 35' 20" EAST 51.67 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING PARALLEL WITH SAID WEST LINE SOUTH 0° 35' 20" EAST 620 FEET, MORE OR LESS, TO THE SOUTH LINE OF SAID SECTION; THENCE ALONG SAID SOUTH LINE NORTH 89° 30' 00" EAST 141.43 FEET, MORE OR LESS, TO THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE ALONG SAID EAST LINE NORTH 0° 34' 10" WEST 619.90 FEET, MORE OR LESS, TO A LINE PARALLEL WITH SAID SOUTH LINE WHICH PASSES THROUGH THE TRUE POINT OF BEGINNING; THENCE ALONG SAID PARALLEL LINE SOUTH 89° 30' 00" WEST 141.69 FEET, MORE OF LESS, TO THE TRUE POINT OF BEGINNING.

EXCEPT THAT PORTION OF SAID LAND DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID LAND; THENCE ALONG THE WEST LINE THEREOF, SOUTH 0° 35' 20" EAST 50 FEET, MORE OR LESS, TO THE NORTHWEST CORNER OF THE LAND CONVEYED TO MIKE FEINSTEIN ET UX, BY DEED RECORDED ON APRIL 9, 1925 AS DOCUMENT NO. 1462 IN BOOK 3967 PAGE 62 OF SAID OFFICIAL RECORDS AND THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID WEST LINE, SOUTH 0° 35' 20" EAST 30 FEET TO THE SOUTHWEST CORNER OF SAID LAND OF FEINSTEIN; THENCE ALONG THE SOUTH LINE OF SAID LAST MENTIONED LAND, NORTH 89° 30' 00" EAST 141.66 FEET, MORE OF LESS, TO THE SOUTHEAST CORNER THEREOF AND BEING IN THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE ALONG SAID EAST LINE, NORTH 0° 34' 10" WEST 30 FEET TO THE NORTHEAST CORNER OF SAID LAND OF FEINSTEIN; THENCE ALONG THE NORTH LINE OF SAID LAST MENTIONED LAND, SOUTH 89° 30' 00" WEST 141.67 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING.

ALSO EXCEPT THAT PORTION OF SAID LAND DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID LAND; THENCE ALONG THE WEST LINE THEREOF, SOUTH 0° 35' 20" EAST 170 FEET, MORE OR LESS, TO THE SOUTHWEST CORNER OF THE LAND DESCRIBED IN THE DEED TO ROY MCARTHUR ET UX, RECORDED IN BOOK 6064 PAGE 285 OF SAID OFFICIAL RECORDS; THENCE CONTINUING ALONG SAID WEST LINE, SOUTH 0° 35' 20" EAST 45 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID WEST LINE, SOUTH 0° 35' 20" EAST 45 FEET, MORE OR LESS, TO THE NORTHWEST CORNER OF THE LAND CONVEYED TO ALEX GRAHAM ET UX, BY DEED RECORDED ON FEBRUARY 11, 1928 IN BOOK 7087 PAGE 183 OF OFFICIAL RECORDS; THENCE EASTERLY ALONG THE NORTH LINE OF SAID LAST MENTIONED LAND, A DISTANCE OF 141.60 FEET, MORE OR LESS, TO THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE ALONG SAID EAST LINE, NORTH 0° 34' 10" WEST 45 FEET, MORE OR LESS, TO A LINE PARALLEL WITH THE SOUTH LINE OF SAID SECTION WHICH PASSES THROUGH THE TRUE POINT OF BEGINNING; THENCE ALONG SAID PARALLEL LINE, SOUTH 89° 30' 00" WEST 141.62 FEET, MORE OR LESS, TO SAID TRUE POINT OF BEGINNING.

PARCEL 2:

THAT PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS COYOTES, IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN UPON A MAP RECORDED IN BOOK 41819 PAGE 141 ET SEQ., OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID QUARTER QUARTER QUARTER; THENCE ALONG THE NORTH LINE THEREOF, NORTH 89° 33' 05" EAST 135 FEET; THENCE PARALLEL WITH THE WEST LINE THEREOF, SOUTH 0° 34' 10" EAST 671.39 FEET, MORE OR LESS, TO THE SOUTH LINE OF SAID SECTION 25; THENCE ALONG SAID SOUTH LINE. SOUTH 89° 30' 00" WEST 135 FEET TO THE SOUTHWEST CORNER OF SAID QUARTER QUARTER QUARTER; THENCE ALONG THE WEST LINE THEREOF, NORTH 0° 34' 10" WEST 671.53 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

PARCEL 3:

THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS COYOTES, IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN UPON A MAP RECORDED IN BOOK 41819 PAGE 141 ET SEQ., OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF A LINE PARALLEL WITH AND 520 FEET EASTERLY FROM THE WESTERLY LINE OF SAID SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 25, WITH A LINE PARALLEL WITH AND 540 FEET NORTHERLY FROM THE SOUTHERLY LINE OF SAID SECTION 25; THENCE NORTHERLY PARALLEL WITH THE SAID WESTERLY LINE, A DISTANCE OF 30 FEET; THENCE EASTERLY PARALLEL WITH THE SAID SOUTHERLY LINE, A DISTANCE OF 141.60 FEET, MORE OR LESS, TO THE EASTERLY LINE OF THE SAID SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25; THENCE SOUTHERLY ALONG SAID EASTERLY LINE, A DISTANCE OF 30 FEET TO A LINE PARALLEL WITH THE SAID SOUTHERLY LINE AND WHICH PASSES THROUGH THE POINT OF BEGINNING; THENCE WESTERLY ALONG SAID LAST MENTIONED PARALLEL LINE, A DISTANCE OF 141.58 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

PARCEL 4:

THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS COYOTES, IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN UPON MAP MADE BY CHARLES T. HEALEY UPON SURVEY BY HIM ABOUT 1870 FOR THE STEARNS RANCHOS COMPANY, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE NORTH LINE OF SAID SOUTHWEST QUARTER DISTANT THEREON NORTH 89° 33' 05" EAST 520 FEET FROM THE NORTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE PARALLEL WITH THE WEST LINE OF SAID SOUTHWEST QUARTER SOUTH 0° 35' 20" EAST 51.67 FEET; THENCE PARALLEL WITH THE SOUTH LINE OF SAID SOUTHWEST QUARTER NORTH 89° 30' 00" EAST 141.69 FEET, MORE OR LESS, TO THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE ALONG SAID EAST LINE NORTH 0° 34' 10" WEST 51.53 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST QUARTER; THENCE ALONG SAID NORTH LINE SOUTH 89° 33' 05" WEST 141.70 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

PARCEL 5:

A NON-EXCLUSIVE EASEMENT FOR ROAD PURPOSES OVER THE EASTERLY 50 FEET OF THE WESTERLY 545 FEET OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE RANCHO LOS COYOTES, IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA.
EXCEPT THE SOUTHERLY 30 FEET THEREOF.

PARCEL 6:

THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN RANCHO LOS COYOTES, IN THE CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 41819 PAGE 141 ET SEQ., OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE NORTH LINE OF SAID SOUTHWEST QUARTER DISTANT THEREON NORTH 89° 33' 05" EAST, 520.00 FEET FROM THE NORTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE PARALLEL WITH THE WEST LINE OF SAID SOUTHWEST QUARTER, SOUTH 0° 35' 20" EAST, 266.67 FEET, MORE OR LESS, TO A POINT ON SAID PARALLEL LINE, DISTANT SOUTHERLY THEREON 45.00 FEET FROM THE SOUTHWEST CORNER OF THE LAND CONVEYED TO ROY MCARTHUR, ET UX., BY DEED RECORDED IN BOOK 6064 PAGE 285, OFFICIAL RECORDS OF SAID COUNTY, SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTHERLY ALONG SAID PARALLEL LINE, 45.00 FEET, MORE OR LESS, TO THE NORTHWEST CORNER OF THE LAND CONVEYED TO ALEX GRAHAM, ET UX., BY DEED RECORDED FEBRUARY 11, 1928 IN BOOK 7087 PAGE 183, OFFICIAL RECORDS OF SAID COUNTY; THENCE ALONG THE NORTH LINE OF SAID LAND, NORTH 89° 30' 00" EAST, 141.60 FEET, MORE OR LESS, TO THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE ALONG SAID EAST LINE, NORTH 0° 34' 10" WEST, 45.00 FEET, MORE OR LESS, TO A LINE PARALLEL WITH THE SOUTH LINE OF SAID SOUTHWEST QUARTER WHICH PASSES THROUGH THE TRUE POINT OF BEGINNING; THENCE ALONG SAID PARALLEL LINE, SOUTH 89° 30' 00" WEST, 141.62 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING.

PARCEL B:

PARCEL 1:

THAT PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS COYOTES, CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN UPON A COPY OF MAP MADE BY CHARLES T. HEALEY, RECORDED IN BOOK 41819, PAGE 141 ET SEQ., OF OFFICIAL RECORDS, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE NORTH LINE OF SAID QUARTER, DISTANT NORTH 89° 33' 05" EAST 135.00 FEET THEREON FROM THE NORTHWEST CORNER OF SAID QUARTER; THENCE PARALLEL WITH THE WEST LINE OF SAID QUARTER, SOUTH 0° 34' 10" EAST 111.39 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTHERLY ALONG SAID PARALLEL LINE, 50.00 FEET; THENCE PARALLEL WITH THE SOUTH LINE OF SAID QUARTER, NORTH 89° 30' 00" EAST 128.00 FEET; THENCE PARALLEL WITH SAID WEST LINE, NORTH 0° 34' 10" WEST 50.00 FEET; THENCE PARALLEL WITH SAID SOUTH LINE, SOUTH 89° 30' 00" WEST 128.00 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL 2:

A NON-EXCLUSIVE EASEMENT FOR ROAD PURPOSES OVER THE EASTERLY 40 FEET OF THE WESTERLY 155 FEET OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS COYOTES, CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN UPON A COPY OF MAP MADE BY CHARLES T. HEALEY, RECORDED IN BOOK 41819, PAGE 141, ET SEQ., OF OFFICIAL RECORDS. EXCEPT THE SOUTHERLY 30 FEET.

PARCEL C:

THAT PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE RANCHO LOS COYOTES, CITY OF ARTESIA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT IN THE NORTH LINE OF SAID QUARTER, DISTANT NORTH 89° 33' 05" EAST 135.00 FEET THEREON FROM THE NORTHWEST CORNER OF SAID QUARTER; THENCE PARALLEL WITH THE WEST LINE OF SAID QUARTER, SOUTH 0° 34' 10" EAST 61.39 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTHERLY ALONG SAID PARALLEL LINE 50.00 FEET; THENCE PARALLEL WITH THE SOUTH LINE OF SAID QUARTER, NORTH 89° 30' 00" EAST 128.00 FEET, MORE OR LESS, TO THE SOUTHERLY PROLONGATION OF THE WESTERLY LINE OF THE LAND SECONDLY DESCRIBED IN THE DEED TO JOHN NICHOLS, ET UX., RECORDED JANUARY 25, 1926, AS INSTRUMENT NO. 925 IN BOOK 5538, PAGE 291, OF OFFICIAL RECORDS OF SAID COUNTY; THENCE ALONG SAID PROLONGATION AND WEST LINE NORTH 0° 34' 10" WEST 50.00 FEET; THENCE PARALLEL WITH THE SAID SOUTH LINE SOUTH 89° 30' 00" WEST 128.00 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING, TOGETHER WITH A NON-EXCLUSIVE EASEMENT FOR ROAD PURPOSES, OVER THE EASTERLY 40 FEET OF THE WESTERLY 155 FEET OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEASTERLY QUARTER OF SECTION 25, TOWNSHIP 3 SOUTH RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE RANCHO LOS COYOTES.

APN: 7035-016-064, 7035-020-056, 7035-020-057

PREPARED FOR:

G3 URBAN
15235 S WESTERN AVE.
GARDENA, CA 90249
(213) 400-5358

PREPARED BY:

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REGISTERED PROFESSIONAL ENGINEER
RYAN J. BITTNER
No. 68167
CIVIL
STATE OF CALIFORNIA

CITY OF ARTESIA
COMMUNITY DEVELOPMENT DEPARTMENT

PROJECT NO. GTHR-006

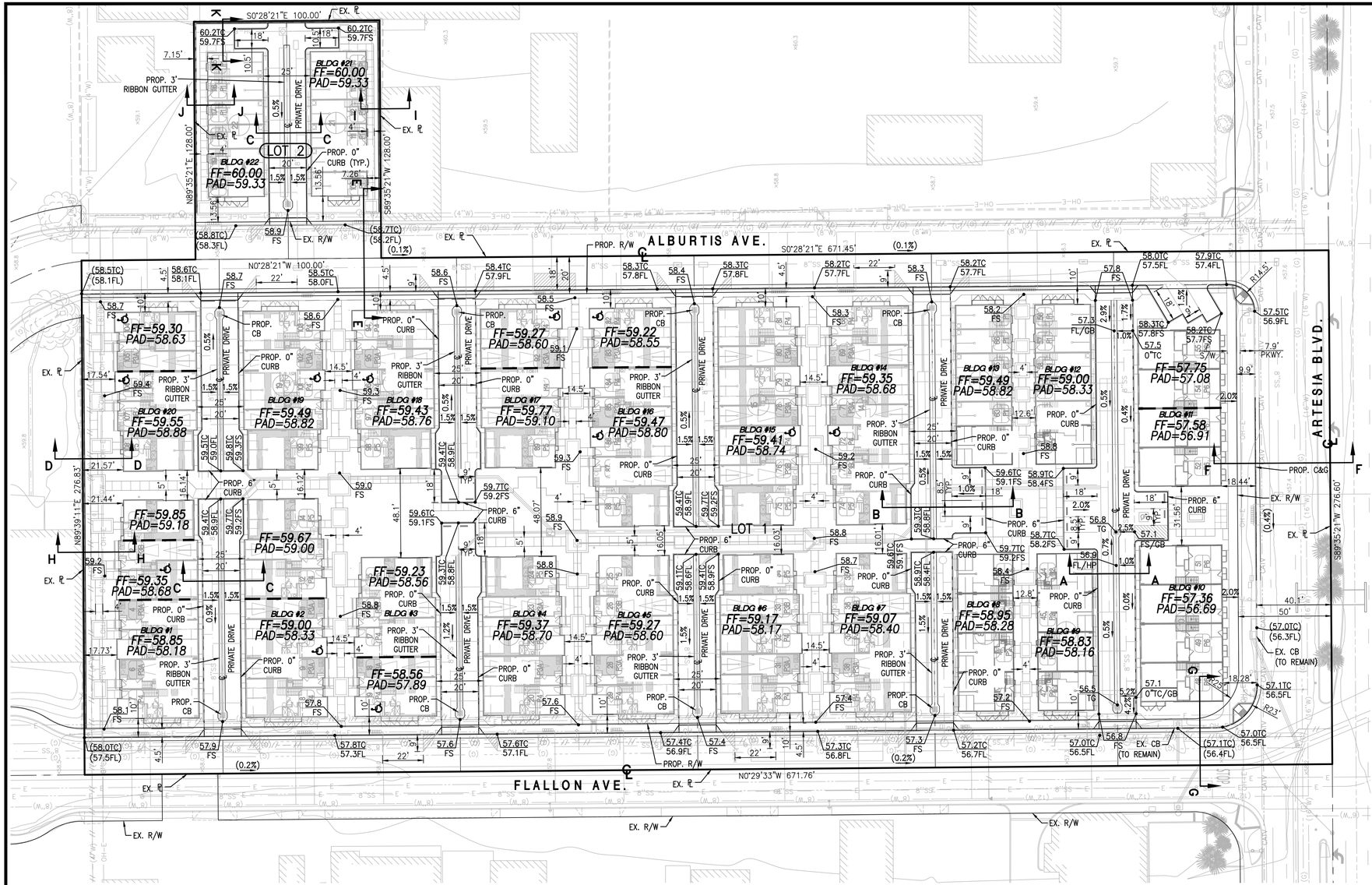
VESTING TENTATIVE TRACT NO. 83834
11709 ARTESIA BOULEVARD
ARTESIA, CA

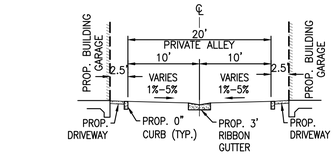
EXISTING EASEMENTS & LEGAL DESCRIPTION

SHEET 2 OF 5

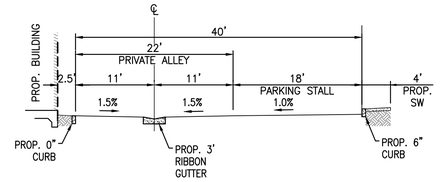
PLAN SET: POST
DATE: 4/29/2024

P:\PROJECTS\GTHR-006\CAD\SHEETS\PLOTS\GTHR-006-TITLE.DWG
BY: SHEA ADSEA

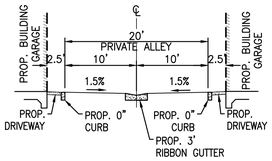




SECTION A–A
20' PRIVATE DRIVE
NOT TO SCALE



SECTION B–B
22' PRIVATE DRIVE W/PARKING
NOT TO SCALE



SECTION C–C
20' PRIVATE DRIVE
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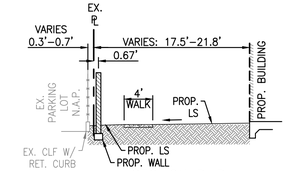
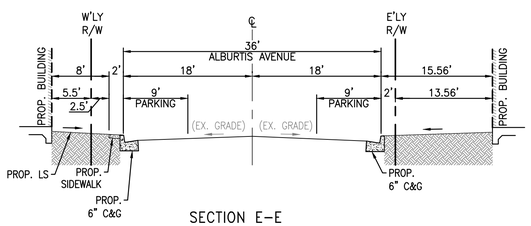
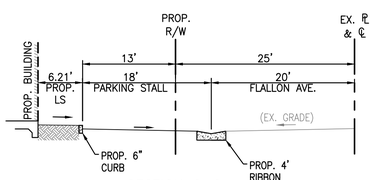


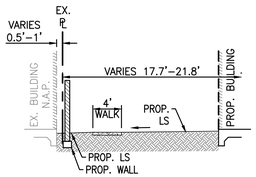
SECTION D–D
NORTHERN PROPERTY LINE (LOT 1)
NOT TO SCALE



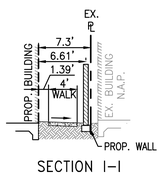
SECTION E–E
ALBURTIS AVE.
NOT TO SCALE



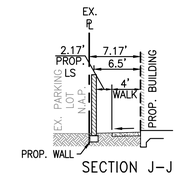
SECTION G–G
FLALLON AVE.
NOT TO SCALE



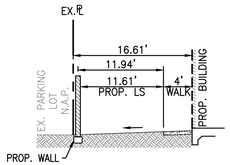
SECTION H–H
NORTHERN PROPERTY LINE (LOT 1)
NOT TO SCALE



SECTION I–I
SOUTHERN PROPERTY LINE (LOT 2)
NOT TO SCALE

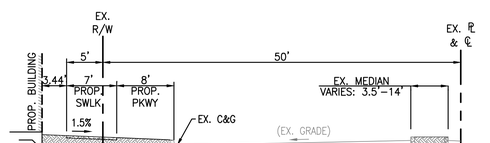


SECTION J–J
NORTHERN PROPERTY LINE (LOT 2)
NOT TO SCALE



SECTION K–K
EASTERN PROPERTY LINE (LOT 2)
NOT TO SCALE

1" = 30'
0 15 30 60



SECTION F–F
ARTESIA BLVD.
NOT TO SCALE

PREPARED FOR:

G3 URBAN
15235 S WESTERN AVE.
GARDENA, CA 90249
(213) 400-5358

PREPARED BY:

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REGISTERED PROFESSIONAL ENGINEER
RYAN J. BITTNER
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CIVIL
STATE OF CALIFORNIA

CITY OF ARTESIA
COMMUNITY DEVELOPMENT DEPARTMENT

VESTING TENTATIVE TRACT NO. 83834

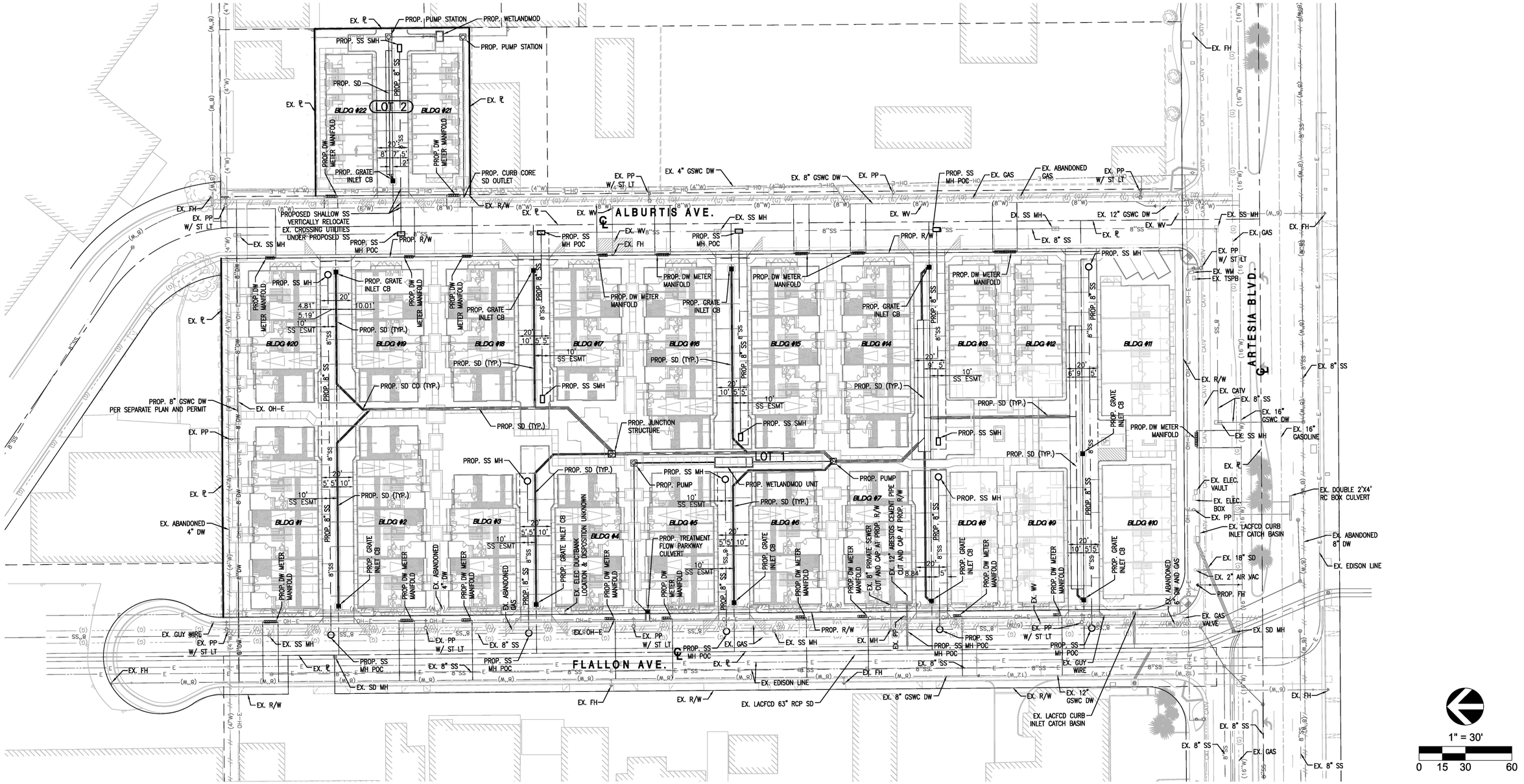
11709 ARTESIA BOULEVARD
ARTESIA, CA

PRELIMINARY GRADING PLAN

PROJECT NO. GTHR-006

SHEET 3 OF 5

PLAN SET: PDSD
DATE: 4/29/2024
J:\CLIENTS-JOBS\GTHR\GTHR15-SECTIONS-01.DWG
BY: DAVID ACOSTA



PREPARED FOR:

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RYAN T. BITTNER
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CITY OF ARTESIA
COMMUNITY DEVELOPMENT DEPARTMENT

PROJECT NO. GTHR-006

VESTING TENTATIVE TRACT NO. 83834

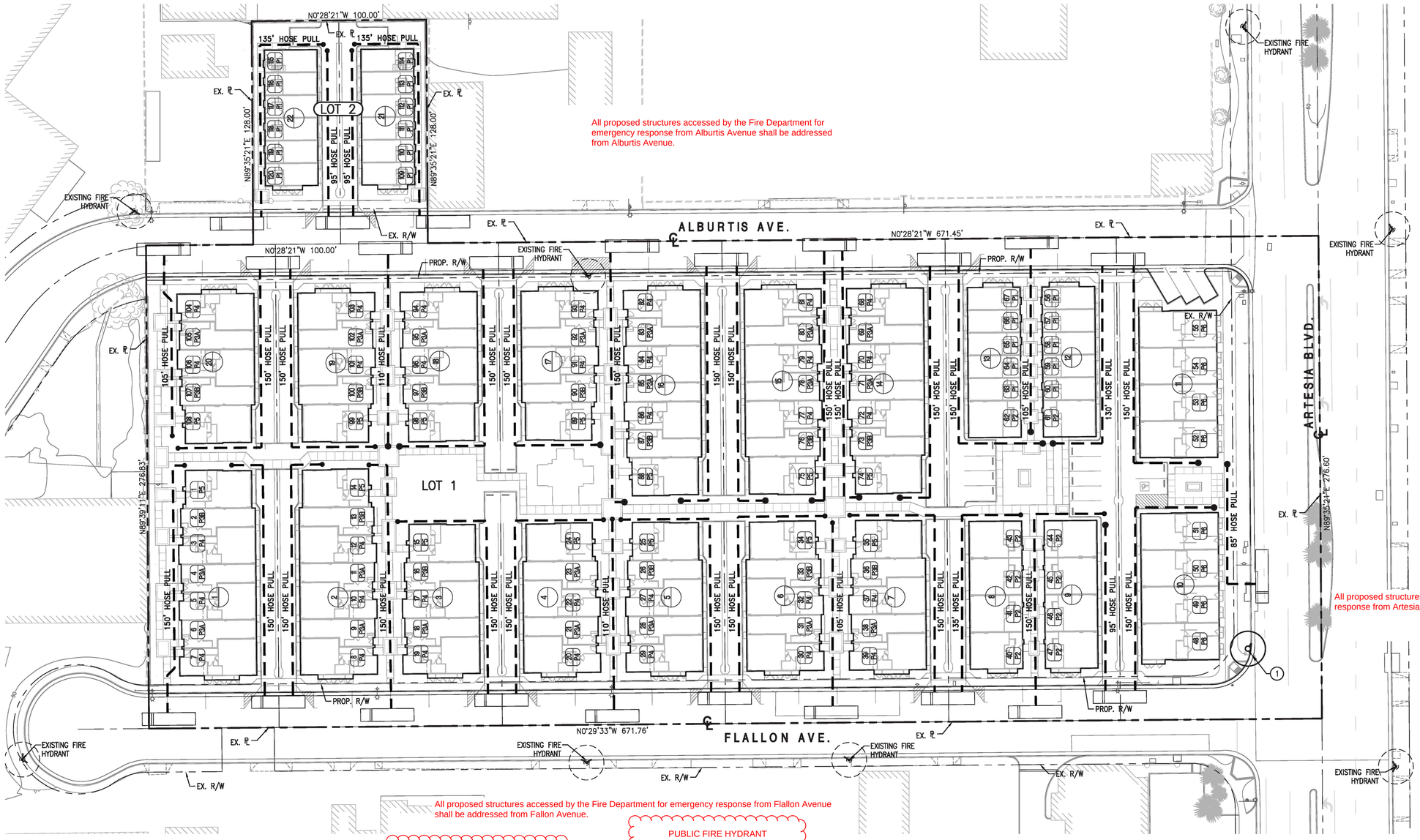
11709 ARTESIA BOULEVARD
ARTESIA, CA

PRELIMINARY UTILITY PLAN

SHEET 4 OF 5

PLAN SET: PDP2
DATE: 4/29/2024

P:\CVC\2018-000\CAD\SHEETS\VTTM-83-834.DWG
BY: DAVID ACOSTA



PROJECT GENERAL NOTES:

1. THIS PROJECT DOES NOT HAVE ANY FUEL MODIFICATION OR WILD LAND EXPOSURES AND IS NOT IN A VERY HIGH FIRE HAZARD ZONE.

2. THIS PROJECT IS DESIGNED IN CONFORMANCE WITH THE CBC, 2022 EDITION.

3. ALL FIRE ACCESS ROADS SHALL BE ALL WEATHER, MEET THE CRITERIA OF AN ALL WEATHER DRIVING SURFACE AND COMPLY WITH LACoFD GUIDELINE FOR FIRE APPARATUS ROADS.

4. LARGEST BUILDING SQ. FOOTAGE = 15,105 SQ. FT.

5. BUILDINGS ARE DESIGNATED TYPE-VB.

6. BUILDING OCCUPANCIES ARE R2 & R3.

7. THE BUILDING HEIGHTS ARE APPROXIMATELY 37 FEET MAX OVERALL AND ±37'-10½" MAX TO FASCIA ABOVE FINISH GRADE.

8. R-2 BUILDINGS ON THE SITE WILL BE SPRINKLERED PER **NFPA 13. R-3** BUILDINGS ON THE SITE WILL BE SPRINKLERED PER **NFPA 13D.**

9. BUILDING ADDRESS NUMBER SHALL BE PROVIDED AND MAINTAINED SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET FRONTING THE PROPERTY. THE NUMBERS SHALL BE A MINIMUM 3 INCHES HIGH, 1 INCH WIDE WITH A 3/8 INCH STROKE. FOR BUILDINGS SET BACK MORE THAN 150 FEET FROM THE STREET, THE NUMBERS SHALL BE A MINIMUM 5 INCHES HIGH, 2 INCHES WIDE WITH A 1/2 INCH STROKE. FIRE CODE 908.4.4.

10. LA COUNTY FIRE DEPARTMENT ACCESS GATE NOTES: GATES SECURING THE FIRE APPARATUS ACCESS ROADS SHALL COMPLY WITH ALL OF THE FOLLOWING CRITERIA:
   1.1. WHERE A SINGLE GATE IS PROVIDED, THE GATE WIDTH SHALL NOT BE LESS THAN 20 FEET, EXCEPT ON A FIRE APPARATUS ROADWAY APPROVED TO BE A LESSER WIDTH, IN WHICH CASE THE GATE SHALL NOT RESTRICT THAT WIDTH. WHERE A FIRE APPARATUS ROAD CONSISTS OF A DIVIDED ROADWAY, THE GATE WIDTH SHALL NOT BE LESS THAN 13 FEET FOR RESIDENTIAL USE AND 20 FEET FOR COMMERCIAL/INDUSTRIAL USES.
   1.2. GATES SHALL BE OF THE SWINGING OR SLIDING TYPE.
   1.3. CONSTRUCTION OF GATES SHALL BE OF MATERIALS THAT ALLOW MANUAL OPERATION BY ONE PERSON.
   1.4. GATE COMPONENTS SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL TIMES AND REPLACED OR REPAIRED WHEN DEFECTIVE.
   1.5. ELECTRIC GATES SHALL BE EQUIPPED WITH A MEANS OF OPENING THE GATE BY FIRE DEPARTMENT PERSONNEL FOR EMERGENCY ACCESS. EMERGENCY OPENING DEVICES SHALL BE APPROVED BY THE FIRE CODE OFFICIAL.
   1.6. METHODS OF LOCKING SHALL BE SUBMITTED FOR APPROVAL BY THE FIRE CODE OFFICIAL.
   1.7. ELECTRIC GATE OPERATORS, WHERE PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325.
   1.8. GATES INTENDED FOR AUTOMATIC OPERATION SHALL BE DESIGNED, CONSTRUCTED, AND INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ASTM F2200

11. THE REQUIRED FIRE FLOW FOR PUBLIC FIRE HYDRANTS AT THIS LOCATION IS 1625 GALLONS PER MINUTE, AT 20 PSI RESIDUAL PRESSURE, FOR A DURATION OF 2 HOURS OVER AND ABOVE MAXIMUM DAILY DOMESTIC DEMAND. FIRE CODE 507.3 & APPENDIX B

12. THE REQUIRED FIRE FLOW FOR ON-SITE FIRE HYDRANTS AT THIS LOCATION IS 1625 GPM AT 20 PSI RESIDUAL PRESSURE. FIRE CODE 903.2 AND FIRE DEPARTMENT REGULATION 8.

13. ALL FIRE HYDRANTS SHALL MEASURE 6"X4"X2-1/12", BRASS OR BRONZE, CONFORMING TO AMERICAN WATER WORKS ASSOCIATION STANDARD C503, OR APPROVED EQUAL, AND SHALL BE INSTALLED IN COMPLIANCE WITH FIRE DEPARTMENT REGULATION 8. FIRE CODE 903.2.1

14. ALL ON-SITE FIRE HYDRANTS SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO BUILDING OCCUPANCY. FIRE CODE 1001.4

15. THE INSPECTION, HYDROSTATIC TEST AND FLUSHING OF THE UNDERGROUND FIRE PROTECTION PIPING SHALL BE WITNESSED BY AN AUTHORIZED FIRE DEPARTMENT REPRESENTATIVE AND NO UNDERGROUND PIPING OR THRUST BLOCKS SHALL BE COVERED WITH EARTH OR HIDDEN FROM VIEW UNTIL THE FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NOT LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS. FIRE CODE 1001.4

CONSTRUCTION NOTES:

(1) — PROPOSED FIRE HYDRANT LOCATION

LEGEND

- EXISTING STREET LIGHT
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- HOSE PULL
- PROPERTY LINE
- FIRE TRUCK
- XX — UNIT NUMBER; PX — PLAN TYPE
- XX — BUILDING NUMBER; X — BUILDING TYPE

FH	FIRE HYDRANT
PR.	PROPOSED
EX	EXISTING
PL	PROPERTY LINE
R/W	RIGHT OF WAY
TYP.	TYPICAL

County of Los Angeles
Fire Department
Fire Prevention Division
Land Development Unit

APPROVED
ACCESS REQUIREMENT ONLY

05/01/2024

PUBLIC FIRE HYDRANT REQUIREMENTS

County of Los Angeles
Fire Department
Fire Prevention Division
Land Development Unit

Install 1 Public
Install ___ Private
6"x 4"x 2 1/2" Fire Hydrants
Confirming to American Waterworks Association Standard C503

REQUIRED FIRE FLOW
1,625 GPM @ 20PSI FOR 2 HOURS

05/01/2024

PREPARED FOR:

G3 URBAN
15235 S WESTERN AVE.
GARDENA, CA 90249
(213) 400-5358

PREPARED BY:

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

REGISTERED PROFESSIONAL ENGINEER — RYAN J. BITTNER — No. 68167 — CIVIL — STATE OF CALIFORNIA

CITY OF ARTESIA
COMMUNITY DEVELOPMENT DEPARTMENT

VESTING TENTATIVE TRACT NO. 83834
11709 ARTESIA BOULEVARD
ARTESIA, CA

FIRE ACCESS & HYDRANT LOCATION PLAN

PROJECT NO. GTHR-006

SHEET 5 OF 5

PLAN SET: PSD2
DATE: 4/29/2024

P:\PROJ\GTHR-006\CIVIL\SHEETS\VTM\VTM-FAHLP.MXD

Appendix 4.10-1

Transportation Assessment for the Artesia Place Project

Gibson transportation consulting, inc.

MEMORANDUM

TO: Kerrie Nicholson and Seth Wulkan, CAJA Environmental Services, LLC

FROM: Sarah Drobis, P.E., and Emily Wong, P.E.

DATE: July 23, 2024
Revised February 25, 2025

RE: Transportation Analysis for the
Artesia Place Project
Artesia, California **Ref:** J2124

This memorandum presents the transportation analysis for the Artesia Place Project (Project) in the City of Artesia, California (City). The Project's site plan and development program has been refined since the publication of *Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment Case No. 2022-13) Public Review Partially Recirculated Draft Environmental Impact Report (SCH No. 2022080202)* (Kimley-Horn and Associates, Inc., September 2023) (PR DEIR).

PROJECT LOCATION

As detailed in Figure 1, the Project Site is comprised of an approximately 3.30-acre parcel (Assessor Parcel Number [APN] 7035-016-064) located at 11709 Artesia Boulevard (Site 1) and an approximately 0.21-acre parcel (APN 7035-020-056) located at 17212 Alburtis Avenue (Site 2). Site 1 is generally bounded by industrial/warehouse uses to the north, Alburtis Avenue to the east, Artesia Boulevard to the south, and Flallon Avenue to the west. Site 2 is generally bounded by automotive uses to the north, east, and south and Alburtis Avenue to the west. The Project Site is currently vacant.

Regional access to the Project Site is generally provided by State Route 91 and Interstate 605. Local access to the Project Site is provided via Artesia Boulevard, a four-lane divided arterial roadway, and Pioneer Boulevard, a four-lane arterial roadway.

PR DEIR OVERVIEW

The PR DEIR analyzed a proposed mixed-use development comprised of 80 dwelling units and approximately 11,257 square feet (sf) of commercial and office uses:

- Townhomes: 10 buildings with 59 three-story townhome units
- Mixed-Use Carriage Townhomes: One mixed-use building with approximately 3,450 sf of commercial uses on the ground level and four carriage-type townhome units above

- Shopkeeper Units: Two buildings with eight commercial condominiums totaling approximately 2,664 sf on the ground level and eight townhome units above
- Commercial: One building with approximately 2,700 sf of commercial uses
- Live/Work Townhomes: Two buildings with approximately 2,443 sf of office use and nine townhome units

Vehicular access to Site 1 would be provided via five full access driveways along Flallon Avenue and five full access driveways along Alburtis Avenue, and vehicular access to Site 2 would be provided via one full access driveway along Alburtis Avenue.

Under California State Senate Bill 743 (Steinberg, 2013), made effective in January 2014, the focus of transportation analysis under California Environmental Quality Act (CEQA) guidelines shifted from vehicular delay (level of service [LOS]) to vehicle miles traveled (VMT), in order to reduce greenhouse gas (GHG) emissions, create multimodal networks, and promote mixed-use developments. The potential CEQA transportation impacts were evaluated and detailed in *Artesia Place Project – Vehicle Miles Traveled Analysis* (Kimley-Horn and Associates, Inc., October 2022), which is contained in Appendix 4,10-2 of the PR DEIR. A supplemental non-CEQA analysis was also conducted to evaluate the Project's effect on local circulation and is detailed in *Local Transportation Assessment for the Proposed Artesia Place Project in the City of Artesia* (Kimley-Horn and Associates, Inc., October 2022) (Local Transportation Assessment) and included in Appendix 4.10-2 of the PR DEIR.

CEQA Analysis

The City has not developed or established a methodology or significance threshold concerning VMT. Therefore, the Project was compared to the following screening criteria from the Office of Planning and Research's *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December 2018) (OPR Technical Advisory) and *Los Angeles County Public Works Transportation Impact Analyss Guidelines* (Los Angeles County Department of Public Works, July 2020) (County TIA Guidelines) to determine if a less than significant VMT impact may be presumed:

- Non-Retail Project Trip Generation Screening: Does the development project generate a net increase of 110 or more daily vehicle trips?

- Retail Project Site Plan Screening: Does the project contain retail uses that exceed 50,000 sf of gross floor area?

- Proximity to Transit Based Screening: Is the project located near a major transit stop or high-quality transit corridor? If yes, does the project:
    - have a floor area ratio less than 0.75?
    - provide more parking than required by City code?
    - have inconsistencies with the Southern California Association of Governments (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)?
    - replace residential units set aside for lower income households with a smaller number of market-rate residential units?

- Residential Land Use Based Screening: Does the project have 100% of the units, excluding manager's units, set aside for lower income households?

As detailed in the PR DEIR, the Project's retail component was considered local-serving (i.e., less than 50,000 sf) and the office component would generate fewer than 110 net new daily vehicles trips. Therefore, both the retail and office components were screened out from further VMT analysis and considered to have a less than significant retail and work VMT impact.

Further VMT analysis was conducted for the residential component of the Project, as it was estimated to generate 539 net new daily trips, which would exceed the 110 daily trip screening criterion. The VMT analysis was conducted using the SCAG RTP/SCS 2016 Travel Demand Forecasting (TDF) model.

As detailed in the PR DEIR, the Project was estimated to generate 3,042 home-based VMT after accounting for the reduction in VMT related to the live/work and shopkeeper units proposed. Assuming a total population of 270 for the Project's 80 residential units, the Project was estimated to generate 11.3 residential VMT per capita. Thus, the Project's residential VMT impact would fall below the residential VMT impact threshold, which was assumed as 16.8% below the City's average residential VMT per capita, and would be considered less than significant. Therefore, no mitigation measures were required for the Project.

Non-CEQA Local Transportation Analysis

The Local Transportation Assessment was conducted in accordance with the County TIA Guidelines.

Based on published trip generation rates from *Trip Generation Manual, 11th Edition* (Institute of Transportation Engineers, 2021), the Project was estimated to generate 2,585 net new daily trips, including 224 morning peak hour trips (121 inbound, 104 outbound) and 137 afternoon peak hour trips (73 inbound, 64 outbound).

Potential Project-related deficiencies were evaluated using the *Highway Capacity Manual, 6th Edition* (Transportation Research Board, 2016) methodologies at the following study locations:

1. Roseton Avenue & Artesia Boulevard (signalized)
2. Flallon Avenue & Artesia Boulevard (unsignalized)
3. Alburtis Avenue & Artesia Boulevard (unsignalized)
4. Pioneer Boulevard & Artesia Boulevard (signalized)

The Local Transportation Assessment identified Project-related deficiencies at the unsignalized intersections of Flallon Avenue & Artesia Boulevard (Intersection #2) and Alburtis Avenue & Artesia Boulevard (Intersection #3). Further traffic signal warrant analyses concluded that signalization of neither intersection would be recommended. However, it was noted that the adjacent signalized intersections provide sufficient gaps in traffic on the major street (Artesia Boulevard) that would allow for opportunities for vehicles on the minor streets (Flallon Avenue and Alburtis Avenue) to safely make turns onto Artesia Boulevard.

REVISED PROJECT

Since the publication of the PR DEIR, the Project site plan and development program has been revised (Revised Project). The Revised Project proposes a residential development generally comprised of 120 townhome dwelling units, which includes 24 lower income affordable units and eight live/work units, within 22 three-story buildings. The Revised Project does not include any non-residential (i.e., commercial and office) uses, as previously proposed in the PR DEIR. The conceptual site plan of the Revised Project is provided in Figure 2.

Site Access and Circulation

As shown in Figure 2, parking for each townhome unit would be provided within individual ground-level garages. The individual garages of each townhome unit would be connected via internal drive aisles that would connect to five full access driveways located along Alburtis Avenue and five full access driveways located along Flallon Avenue.

The Revised Project would provide pedestrian-oriented accessible walkways through Site 1 and across the Site 2 street frontage. A central pedestrian walkway connects all of the buildings on Site 1 with landscaped common open space.

CEQA Analysis of Transportation Impacts

The Revised Project was evaluated for potential significant CEQA impacts consistent with the methodologies presented in the PR DEIR.

VMT Analysis. As detailed above, the Revised Project proposes a residential development and does not include any office or retail uses. The "work" component of the live-work units was considered ancillary to the residential units for the purposes of the VMT analysis. Thus, the Revised Project would have no work or retail VMT impacts.

Consistent with the recommended methodology of in the OPR Technical Advisory, the residential VMT of the Revised Project was evaluated using the latest SCAG RTP/SCS TDF model (2020 TDF Model), which considers updated demographic information and socioeconomic data. As previously detailed, the Revised Project's residential VMT was compared to a significance threshold of 15% below the City's average residential VMT per capita to identify potential residential VMT impacts, as recommended in the OPR Technical Advisory, which recommends a significance threshold of 15% below the existing residential VMT per capita for a region or city. The Revised Project's residential VMT was also compared to a significance threshold of 16.8% below the City's average residential VMT per capita, consistent with the methodology of the PR DEIR. As detailed below, the Revised Project's residential component would be similar to the PR DEIR and, therefore, would have similar VMT impacts.

The 2020 TDF Model outputs are detailed in *Artesia Place VMT Analysis* (Iteris, Inc., February 2025), which is provided in the Attachment. Consistent with the methodology utilized in the PR DEIR, the 2020 TDF Model was coded with the Revised Project in the Project Site's Tier 1 traffic analysis zone (TAZ) 21822100 to determine the total Project-related increase in home-based VMT and population assumptions to determine the Project's residential VMT per capita.

The City's average residential VMT per capita was also derived from the 2020 TDF Model to identify the residential VMT significance threshold. The outputs from the TDF model are summarized in Table 1.

As detailed in Table 1, the City's average residential VMT per capita is 15.18. Therefore, the residential VMT per capita significance threshold equal to 15% the City's average would be 12.9 and the significance threshold equal to 16.8% below the City's average would be 12.6.

Based on the 2020 TDF Model's population rate for the Project TAZ of 4.12 persons per household, the Revised Project is estimated to have a total population of 494 persons. The TDF model also estimates that the Revised Project would result in a Project-related increase of 7,565 home-based VMT in the Project TAZ. Therefore, the Project would generate an average residential VMT per capita of 15.3. As previously detailed, the Revised Project would include eight live-work units, which would reduce the total home-based VMT as it could be assumed that at least one resident per unit would also work in the unit. Based on the Project TAZ's average home-based work VMT of 24.8 per employee, the Project's live-work units would result in a reduction of 198 home-based work VMT. Thus, the residential VMT per capita would be reduced to 14.9, which would exceed both the significance thresholds of 12.9 and 12.6. Therefore, the VMT analysis considered the Revised Project design-related transportation demand management (TDM) strategies that would promote transit and alternative transportation, support use of alternative fuel vehicles, or encourage land use planning practices that reduce vehicle trips and VMT.

The TDM-related VMT reductions were calculated based on the combined effectiveness of each individual measure, as detailed in *Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity – Designed for Local Governments, Communities, and Project Developers* (California Air Pollution Control Officers Association, December 2021) (CAPCOA Handbook). The effectiveness of each individual measure identified below was quantified based on the GHG/VMT reduction formulas detailed in the CAPCOA Handbook, which consider Project-specific inputs and constants, assumptions, and defaults from readily available data sources. The following design-related measures were applied to the Revised Project VMT analysis and, as detailed in the CAPCOA Handbook, are considered appropriate for use at the "Project/Site" geographic level to reduce VMT at the scale of a development project:

- Increase Residential Density – Increased residential densities affect the travel distance and provide greater options for modes of travel, and results in shorter and fewer single occupancy vehicle trips. As detailed in the CAPCOA Handbook, when reductions are calculated from a specific baseline derived from a travel demand forecasting model, the residential density of the relevant TAZ should be used instead of the value for a typical development. Based on a comparison of the Revised Project's residential density (dwelling units per acre) with the average residential density of a typical development in the Project TAZ (7.3 du / acre[1]), a VMT reduction of up to 30% could be applied. However, for the purpose of providing a conservative VMT analysis, a 6% VMT reduction was applied.

[1] The residential uses within the Project TAZ are typically designated as low-density residential. Thus, the Project's proposed residential density was compared to the development standards for low-density residential zones identified in *2021-2029 Housing Element Draft* (City of Artesia, 2021).

- Integrate Affordable and Below Market Rate Housing – Below market rate housing provides greater opportunity for lower income families to live closer to job centers. Based on the Revised Project's proposal to provide up to 24 affordable housing units, a 6% VMT reduction was applied.

- Limit Residential Parking Supply – Limiting the amount of parking availability creates parking scarcity and inconvenience to private automobile trips, thus disincentivizing driving as a travel mode and reducing VMT. Each unit would include a one or two-car garage at the ground level, which would provide a total of 242 on-site parking spaces. The proposed parking supply would fall below the City's baseline requirements (without any allowable parking reductions applied) for multi-family residential developments of similar density as the Revised Project per Section 9-2.1103(a)(2) of the City's Municipal Code. Therefore, based on the comparison of the Revised Project's proposed parking supply and the City's baseline parking requirements, a 4% VMT reduction was applied.

- Provide Bicycle Parking – Providing short-term and long-term bicycle parking facilities to satisfy maximum demand and that is accessible to all supports safe and comfortable bicycle travel at destinations. The Revised Project would provide seven bicycle parking spaces. Therefore, a 0.625% VMT reduction[2] was applied.

To ensure that the effectiveness of the TDM measures was not overstated and to be mindful of potential interactions among different measures, a multiplicative dampening formula[3] was applied. Thus, the combined effectiveness of the above measures would result in a 15.7% VMT reduction. As such, with consideration of the design-related TDM measures described above, the Revised Project would generate a residential VMT per capita of 12.6, which would fall below both the residential VMT significance threshold below 15% and 16.8% below the City's average. Therefore, the Revised Project would not result in a significant VMT impact, and no mitigation would be required.

Thus, the VMT impact conclusions would be consistent with the PR DEIR.

It should be noted that the Revised Project would also incorporate other design-related features that would further reduce VMT, including electric vehicle parking. However, to provide a more conservative analysis, these measures were not applied or quantified in the VMT analysis detailed above.

[2] The CAPCOA Handbook recognizes that providing bicycle parking may result in VMT reductions. The percent reduction for the Project's inclusion of bicycle parking is based on *Transportation Demand Management Strategies in LA VMT Calculator* (Los Angeles Department of Transportation, November 2019).

[3] The CAPCOA Handbook recommends that measure reductions within a subsector be multiplied using the following equation: Reduction = 1 – [(1-A) X (1-B) X (1-C)], where A, B. and C are the individual measure reduction percentages to be combined in each subsector. The maximum allowable reduction for each subsector is detailed on page 64 of the CAPCOA Handbook. When combining measures across subsectors, the CAPCOA Handbook adopts 70% as the maximum combined VMT reduction from the Land Use, Neighborhood Design, Parking or Road Pricing Management, and Transit subsectors.

In addition, the Los Angeles County Metropolitan Transportation Authority (Metro) is currently undergoing the environmental review process for the Southeast Gateway Line project, which proposes a new light rail transit line that would connect from the City of Los Angeles / Florence-Firestone unincorporated area of Los Angeles County to the Pioneer Station in the City, where the southern terminus would be located approximately one mile south of the Project Site.

The Southeast Gateway Line would provide connections to the Metro A and C Lines. The Metro Southeast Gateway Line is forecasted to open in Year 2035. Once operational, the Metro Southeast Gateway Line would provide alternatives to driving and create more access to opportunity in the Project area, further reducing residential VMT generated by the Revised Project.

Local Transportation Analysis

Consistent with the PR DEIR, the trip generation estimates for the Revised Project were calculated using published *Trip Generation, 11th Edition* rates for multi-family housing (low-rise) and small office building uses. As detailed in Table 2, the Revised Project is anticipated to generate 846 net new daily trips, including 52 morning peak hour trips (15 inbound, 37 outbound) and 67 afternoon peak hour trips (40 inbound, 27 outbound). Therefore, the Revised Project would generate fewer trips than the Project evaluated in the Local Transportation Assessment, including 1,739 fewer daily trips, 173 fewer morning peak hour trips, and 70 fewer afternoon peak hour trips.

Thus, the operational constraints related to the Revised Project would be less than the Project analyzed in the Local Transportation Assessment.

PROJECT SITE LOCATION

FIGURE 1

Source: Angeleno Associates, Inc. October, 2024.

PROJECT SITE PLAN

FIGURE 2

TABLE 1
VMT ANALYSIS SUMMARY

Project Analysis	
Total Households	120
Total Population [a]	494
Total Unadjusted Home-Based VMT [b]	7,565
Project Residential VMT per Capita (Unadjusted)	15.3
Live-Work VMT Reduction [c]	*(198)*
Total Adjusted Home-Based VMT	7,367
Project Residential VMT per Capita (Adjusted)	**14.9**
Significance Threshold - 15% Below City Average [d]	*12.9*
Significant Impact	**YES**
Significance Threshold - 16.8% Below City Average [d]	*12.6*
Significant Impact	**YES**
Project Analysis with TDM Measures [e]	
TDM Reduction	
Increase Residential Density [f]	*6%*
Integrate Affordable and Below Market Rate Housing [g]	*6%*
Limit Residential Parking Supply [h]	*4%*
Provide Bicycle Parking [i]	*0.625%*
Total TDM Reduction [j]	***15.7%***
Total Adjusted Home-Based VMT with TDM Reductions	6,210
Project Residential VMT per Capita (Adjusted) with TDM Reduction	**12.6**
Significance Threshold - 15% Below City Average [d]	*12.9*
Significant Impact	**NO**
Significance Threshold - 16.8% Below City Average [d]	*12.6*
Significant Impact	**NO**

Notes

[a] The total population is based on an average of 4.12 residents per household for the Project Tier 1 TAZ.

[b] The total unadjusted home-based VMT is based on the Project-related increase in home-based VMT in the Project Tier 1 TAZ of the 2020 SCAG RTP/SCS travel demand model, as detailed in *Artesia Place VMT Analysis* (Iteris, Inc., June 2024), provided in the Attachment.

[c] It was conservatively assumed that only one resident per live-work unit would work in the live-work space. Thus, the VMT reduction accounts for a total eight employees who would have traveled an average of 24.8 miles, the average home-based work VMT for the Project Tier 1 TAZ.

[d] Consistent with the guidance in OPR's Technical Advisory, the siginificance threshold represents 15% below the City's average residential VMT per capita of 15.18.

[e] The TDM measures considered in the analysis include Project-level design features that promote transit and alternative transportation, support use of alternatively fueled vehicles, or encourage land use planning practices that reduce vehicle trips and VMT, as detailed in *Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity - Designed for Local Governments, Communities, and Project Developers* (California Air Pollution Control Officers Association, December 2021) (CAPCOA Handbook). As detailed in the CAPCOA Handbook, the percent reduction in VMT would be the same as the percent reduction in GHG emissions.

[f] As detailed in Chapter 3 of the CAPCOA Handbook, residential VMT can be reduced by up to 30% by providing a higher density of dwelling units compared to the average residential density for a typical development in the US. However, as detailed in the CAPCOA Handbook, when reductions are being calculated from a specific baseline derived from a travel demand forecasting model, the residential density of the relevant TAZ should be used. The Project would provide residential density of 36 du per acre, as compared to the typical low-density residential standard in the Project TAZ of 7.3 du per acre, as detailed in the City's General Plan Housing Element. Thus, the Project would qualify for a VMT reduction of up to to 30%. However, a conservative reduction of 6% was applied to the Project analysis.

[g] As detailed in Chapter 3 of the CAPCOA Handbook, residential VMT can be reduced by up to 28.6% by integrating affordable housing and below market rate units. The Project would include up to 24 affordable housing units.

[h] As detailed in Chapter 3 of the CAPCOA Handbook, residential VMT can be reduced by up to 13.7% by limiting the amount of parking available at a residential project. The Project would provide a total of 242 parking spaces within a one- or two-car garage at the ground level of each residential unit.

[i] It is recognized in the CAPCOA Handbook that providing bicycle parking may achieve VMT reductions. Thus, for the purposes of this analysis, the percent reduction for the Project's inclusion of bicycle parking per City code is based on *Transportation Demand Management Strategies in LA VMT Calculator* (Los Angeles Department of Transportation, November 2019).

[j] The effectiveness levels of multiple TDM measures are multipled to determine a combined effectiveness level.

TABLE 2
TRIP GENERATION

Land Use	ITE Land Use Code	Size	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Generation Rates [a]									
Multi-Family Housing (Low-Rise)	220	per du	6.74	24%	76%	0.40	63%	37%	0.51
Small Office Building	712	per 1,000 sf	14.39	82%	18%	1.67	34%	66%	2.16
Revised Project									
Multi-Family Housing (Low-Rise)	220	120 du	809	12	36	48	38	23	61
Live/Work Office	712	2,568 sf [b]	37	3	1	4	2	4	6
Total - Revised Project			**846**	**15**	**37**	**52**	**40**	**27**	**67**
Total - PR DEIR Project [c]			**2,585**	**121**	**104**	**225**	**73**	**64**	**137**
Difference [d]			***(1,739)***	***(106)***	***(67)***	***(173)***	***(33)***	***(37)***	***(70)***

Notes

du: dwelling unit sf: square feet

[a] Source: *Trip Generation Manual, 11th Edition,* Institute of Transportation Engineers, 2021.

[b] The Project includes 8 live/work units, which would contain approximately 321 sf of workspace in each unit. Thus, a total of 2,568 sf of workspace would be provided within the 8 live/work units.

[c] See Table 4 of *Local Transportation Assessment* (Kimley-Horn and Associates, Inc., October 2022) provided in Appendix 4.10-2 of *Artesia Place Project (Artesia Boulevard Cooridor Specific Plan Amendment Case No. 2022-13) Public Review Partially Recirculated Draft Environmental Impact Report (SCH No. 2022080202)* (Kimley-Horn and Associates, Inc., September 2023).

[d] Difference = Total Revised Project - Total DEIR Project

Attachment

SCAG RTP/SCS TDF Model Output

TECHNICAL MEMORANDUM

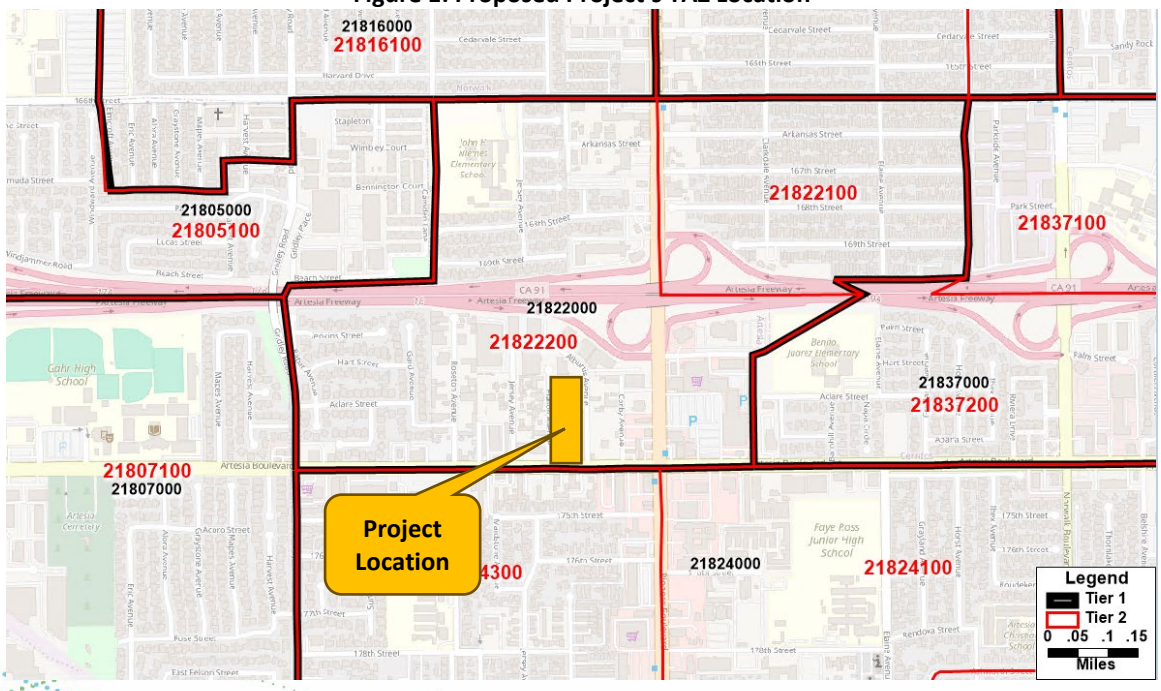
To:	Emily Wong Gibson Transportation Consulting	**From:**	Jennifer Emerson-Martin, PE Iteris, Inc. 1700 Carnegie Ave., Suite 100 Santa Ana, VA 92705
Date:	February 25, 2025		
RE:	Artesia Place VMT Analysis		

INTRODUCTION

This memorandum presents Iteris' transportation assessment of a residential development in the City of Artesia. The proposed project is located at 11709 Artesia Boulevard. The project site is bound by Artesia Boulevard on the south, Alburtis Avene on the east, and Fallon Avenue on the west. The project consists of 120 residential units, 8 of which are live-work units.

Figure 1 illustrates the location of the proposed project as part of the Southern California Association of Governments (SCAG) regional model. Within the model, the project is within Tier 1 Transportation Analysis Zone (TAZ) 21822000. The Tier 1 zone 21822000 is further disaggregated into two Tier 2 TAZs (21822100 and 21822200). The project is located in Tier 2 TAZ 21822200. As a note, this project is adjacent to the recently-analyzed Arkansas project, which is also located within the Tier 2 TAZ 21822200.

Figure 1: Proposed Project's TAZ Location



SENATE BILL 743 (SB 743)

At this point in time, the City has not yet adopted a methodology and significance threshold for use in CEQA compliance. Therefore, the VMT analysis for this Project was based on the Los Angeles County Transportation Impact Analysis Guidelines (TIA Guidelines) (July 23, 2020), which are based on the OPR Technical Advisory, and a recently conducted VMT analysis for a similar project, the Arkansas Project, in the City.

VMT SCREENING & SCREENING ANALYSIS

To identify when a project may be presumed to have a less than significant transportation impact concerning VMT without conducting a detailed study, the TIA Guidelines provide screening criteria for land development projects that meet one of the screening criteria below:

1. Non-Retail Project Trip Generation Screening: Does the development project generate a net increase of 110 or more daily vehicle trips?
   - The project consists of 120 residential units and generates 545 daily trips, which is more than the 100 daily trip screening criteria. **Therefore, the project does not screen out of a VMT analysis.**
2. Retail Project Site Plan Screening: Does the project contain retail uses that exceed 50,000 square feet of gross floor area?
   - The project does not contain a retail component, therefore this screening analysis does not apply.
3. Proximity to Transit Based Screening: Is the project located near a major transit stop or high-quality transit corridor? If yes, does the project:
   a. Have a floor area ratio less than 0.75;
   b. Provide more parking than required by the County Code;
   c. Have inconsistencies with the Southern California Association of Government (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS); and
   d. Replace residential units set aside for lower income households with a smaller number of market-rate residential units?
   - City of Cerritos, Orange County Transportation Authority (OCTA), Los Angeles County Metropolitan Transportation Authority (Metro), Norwalk Transit System, and Long Beach Transit are the transit providers serving the Project site. Bus stops located at Artesia Boulevard and Pioneer Boulevard serve the Project site with Metro Line 62 (from 4:20 AM to 11:00 PM) and Norwalk Transit Line 2 (from 6:00 AM to 7:33 PM). Both lines operate along Pioneer Boulevard within one-half mile of the Project site. These bus routes operate with headways varying from 1-hour to 1-hour 15-minute headways. Because these headways are not consistently 15 minutes or less during the peak commute periods, these routes do not meet the criteria to be considered a major transit stop or high-quality transit corridor. **Therefore, the Project does not screen out of a VMT analysis.**
4. Residential Land Use Based Screening: Does the project have 100 percent of the units, excluding manager's units, set aside for lower income households?
   - A land use project needs to meet only one of the above screening criteria to be presumed to have a less than significant impact on transportation and circulation, under CEQA and pursuant to SB 743. The Project would not be 100 percent affordable; therefore, that criteria is not further discussed. The remaining criteria are further discussed below.

In conclusion, a project only needs to meet one of the above screening thresholds to be presumed to result in not significant impact under CEQA pursuant to SB 743. In the case of the Artesia project, the

project does not meet screening criteria for non-retail project trip generation, and proximity to transit-based screening, **therefore, a VMT analysis was conducted for the project to further analyze the VMT impacts.**

VMT METHODOLOGY

The VMT analysis was conducted using the 2020 Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP) for the base year of 2019 (the validated year in the model). The project development was coded into traffic analysis zone (TAZ) 21822200.

The City of Artesia residential VMT per Capita was calculated using the SCAG 2020 RTP/SCS travel demand model. As this is a residential-only project, the OD VMT methodology will be used, and the following VMT metrics were calculated:

- **Residential (Home-based) VMT per capita (automobile only):** All home-based auto vehicle trips are traced back to the residence of the trip-maker (non-home-based trips are excluded) and then divided by the population within the geographic area to get the efficiency metric of home-based VMT per capita (or per resident). The diagram below illustrates the home-based trips that are included in this VMT metric.

From the completed model run, Iteris calculated the total daily VMT statistics for the following geographies for each of the modeled scenarios:

- Project Zone VMT (Tier 1 Zone 21822000)
- Artesia Place (and Arkansas) Project Zone VMT (Tier 2 Zone 21822200)
- City-wide VMT (Artesia, CA)
- County of Los Angeles

Table 1 summarizes the demographics and VMT results for the No Project scenario. Table 2 summarizes the demographics and adjusted VMT results for the with project scenario. As mentioned in the introduction, there are 8 live-work units included in the project, therefore it is assumed that there will be a minimum of 8 home-based work trips which will be reduced.

Table 1: VMT Results (No Project)

Metric	No Project			
	County of LA	City of Artesia	Project Zone (Tier 1)	Artesia Place Project Zone (Tier 2)
Total Households	3,407,320	4,596	744	230
Total Population	10,329,190	16,954	3066	893
Household Size	3.03	3.69	4.12	3.88
Total Home-Based VMT	149,407,184	257,294	47,894	13,980
Total Home-Based VMT Per Capita	14.46	15.18	15.62	15.66
Total Home-Based-Work VMT	56,202,106	93,644	18,461	5,064
Total Home-Based-Work VMT Per Household	16.5	20.4	24.8	22.0

Table 2: VMT Results (With Project)

Metric	With Project			
	County of LA	City of Artesia	Project Zone (Tier 1)	Artesia Place Project Zone (Tier 2)
Added Households (Compared to No Build)	120	120	120	120
Total Households	3,407,440	4,716	864	350
Total Unadjusted Home-Based VMT	149,913,012	267,750	55,459	23,596
Total Unadjusted Home-Based Work VMT	56,560,527	100,365	22,025	9,372

Appendix 4.10-2

Local Transportation Assessment

Appendix 4.10-2

Local Transportation Assessment

Prepared by

Kimley»Horn

Expect More. Experience Better.

LOCAL TRANSPORTATION ASSESSMENT
FOR THE PROPOSED ARTESIA PLACE PROJECT
IN THE CITY OF ARTESIA

Prepared by:

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October 2022

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LOCAL TRANSPORTATION ASSESSMENT
FOR THE PROPOSED ARTESIA PLACE PROJECT
IN THE CITY OF ARTESIA

EXECUTIVE SUMMARY

This Local Transportation Analysis (LTA) has been prepared to evaluate the traffic effects of the proposed Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment) ("Project"). The Project site is located in the City of Artesia ("City") and consists of one approximately 3.3-acre parcel (Assessor Parcel Number [APN] 7035-016-064) located at 11709 Artesia Boulevard. The Project site is generally bound by roadways, with Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. The Project site is currently vacant. The Project proposes a mixed-use development comprised of 80 residential dwelling units (DUs), 4,407 Gross Square Feet (GSF) commercial, 4,407 GSF restaurant, and 2,443 GSF of live/work (office) uses. Construction is anticipated to occur in a single phase and fully-operational in 2025.

Vehicular access to the Project site would be provided at 9 locations: 4 full-access driveways and 1 full-access private street along Flallon Avenue, and 3 full-access driveways and 1 full-access private street along Alburtis Avenue. Consistent with the improvements proposed by Project, it is recommended that all 9 access locations are stop-controlled for the outbound approach. Other than these proposed stop controls, there are no further access recommendations. The Project would provide pedestrian-oriented accessible walkways to all of its uses. Sidewalks would be provided on all Project site frontages and boundaries.

The Project site is designated as Gateway Community Commercial and is zoned Artesia Boulevard Corridor Specific Plan. Hence, the Project requires a General Plan Amendment to permit integrated, mixed-use commercial and residential development to be considered and regulated with the adoption of specific plans and a Zoning Code Text Amendment (Artesia Boulevard Corridor Specific Plan Amendment) to allow the proposed mixed-use development with residential uses. The requested approvals also include a Design Review and Vesting Tentative Tact Map.

This LTA has been conducted in in accordance with the *Los Angeles County Public Works Transportation Impact Analysis Guidelines Plan*[1] (July 2020) (TIA Guidelines), and input from City staff during scoping of the Project's traffic analysis requirements.

The Project is expected to generate 74 PM commuter peak hour pass-by trips (37 inbound / 37 outbound). The Project is estimated to generate a net total of 2,585 daily trips, with 224 trips (121 inbound / 104 outbound) during the AM commuter peak hour and 137 trips (73 inbound / 64 outbound) during the PM commuter peak hour peak hour.

1 *Los Angeles County Public Works Transportation Impact Analysis Guidelines*, County of Los Angeles, July 2020.

The LTA will evaluate the intersection Level of Service (LOS) during the weekday AM and PM peak hours for the following conditions:

- Existing (2022) Conditions
- Existing (2022) Plus Project
- Opening Year (2025) Conditions
- Opening Year (2025) Plus Project

The traffic operation analysis shows that the Project would degrade the LOS operations at intersections of Flallon Avenue / Artesia Boulevard and Alburtis Avenue / Artesia Boulevard during the PM peak hours (LOS E for the stop-controlled, southbound approach) under Existing (2022) Plus Project Conditions and Opening Year (2025) Plus Project Conditions. These delays are related to outbound traffic making the southbound left-turn movement onto Artesia Boulevards since they are required to wait for "gaps" in traffic for both the eastbound and westbound approaches.

Traffic signal warrant analyses were conducted for the two deficient unsignalized intersections following the California Manual on Uniform Traffic Control Devices (CA MUTCD) guidelines. Neither intersection satisfies the signal warrants under the Opening Year (2025) Plus Project conditions. Therefore, it is not recommended to install traffic signal at either location.

LOCAL TRANSPORTATION ASSESSMENT
FOR THE PROPOSED ARTESIA PLACE PROJECT
IN THE CITY OF ARTESIA

INTRODUCTION

This Local Transportation Analysis (LTA) has been prepared to evaluate the traffic effects of the proposed Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment) ("Project"). The Project site is located in the City of Artesia ("City") and consists of one approximately 3.3-acre parcel (Assessor Parcel Number [APN] 7035-016-064) located at 11709 Artesia Boulevard. The Project site is generally bound by roadways, with Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. **Figure 1** depicts the Project location in its regional setting.

The Project site is currently vacant. The Project proposes a mixed-use development comprised of residential, commercial, retail and live/work (office) uses; see **Table 1**.

Table 1 – Project Development Summary

Land Use	Residential (DU)	Non-residential (GSF)			
		Office	Restaurant	Retail	Total
Townhomes	59				
Mixed-Use Carriage Townhomes (Commercial ground floor)	4		1,725	1,725	*3,450*
Shopkeeper Units (Commercial Condominiums with Townhomes above)	8		1,332	1,332	*2,664*
Commercial			1,350	1,350	*2,700*
Live/Work Townhomes	9	2,443			*2,443*
Total	***80***	***2,443***	***4,407***	***4,407***	***11,257***
DU = dwelling unit; GSF = gross square feet					

Vehicular access to the Project site would be provided at 9 locations: 4 full-access driveways and 1 full-access private street along Flallon Avenue, and 3 full-access driveways and 1 full-access private street along Alburtis Avenue. No access to the Project site is proposed along Artesia Boulevard. Construction is anticipated to occur in a single phase and fully-operational in 2025. **Figure 2** shows the Conceptual Site Plan.

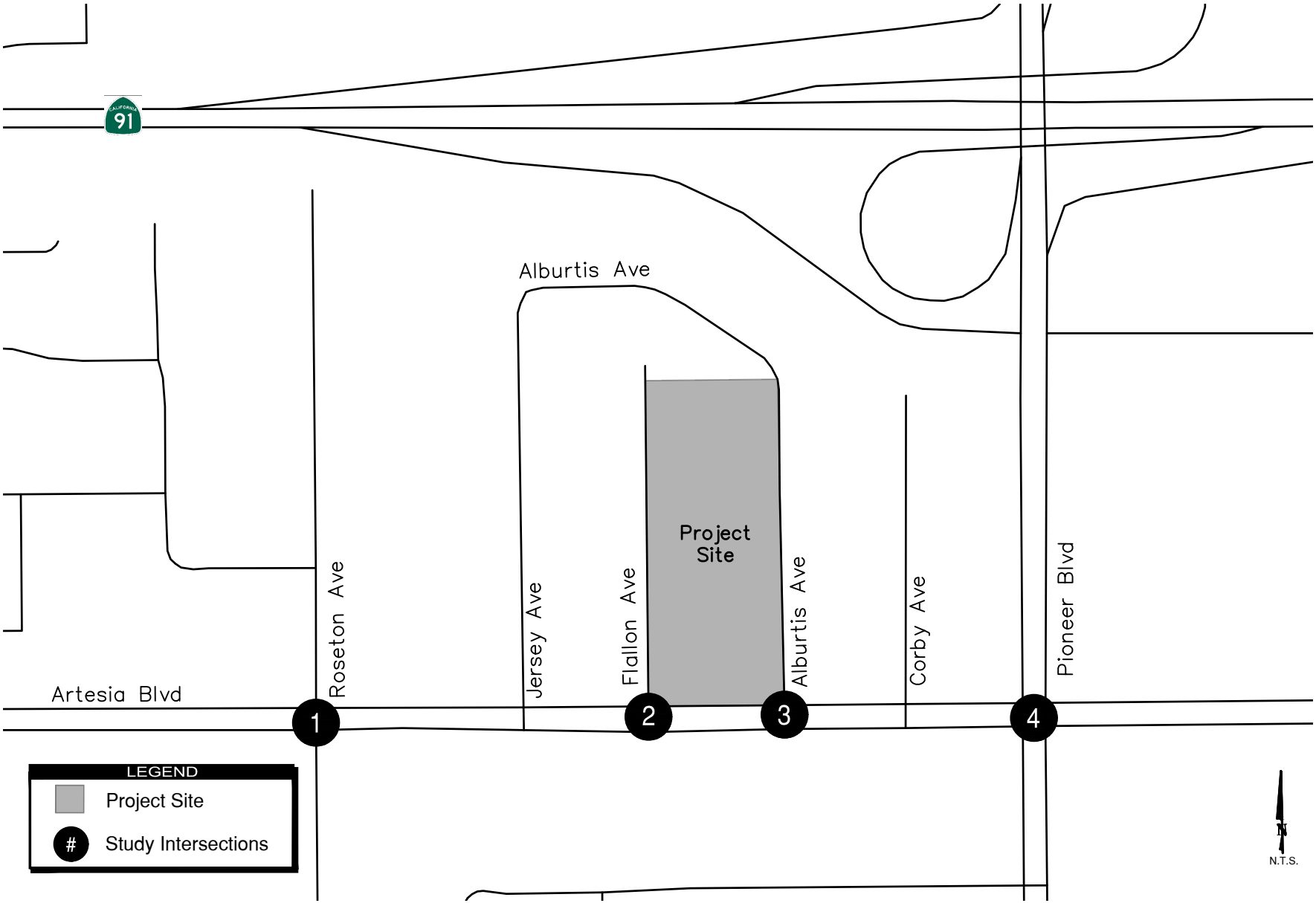

FIGURE 1 - Vicinity Map
Artesia Place Project

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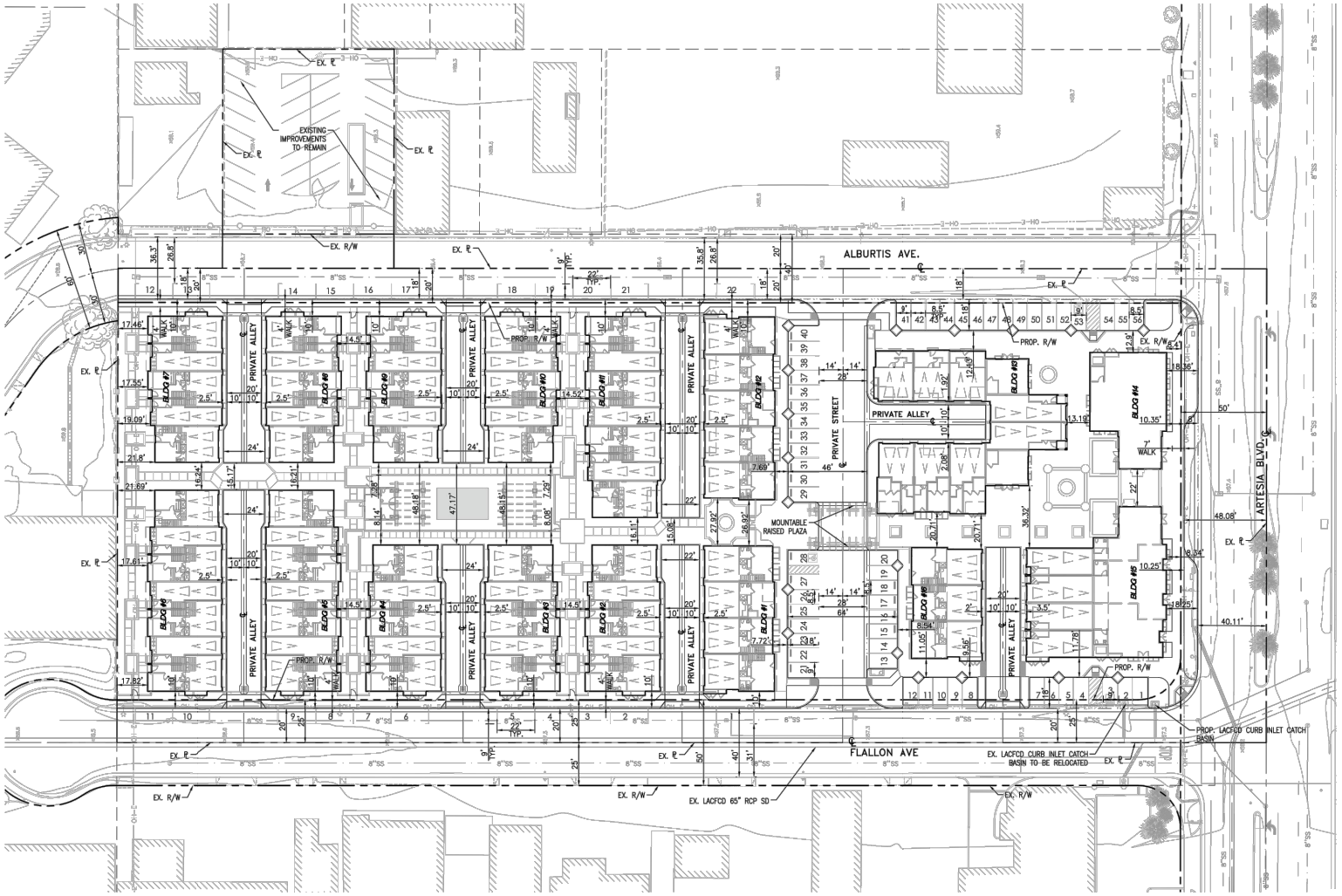


N.T.S.

FIGURE 2 - Project Site Plan
Artesia Place Project

The Project site is designated as Gateway Community Commercial and is zoned Artesia Boulevard Corridor Specific Plan. Hence, the Project requires a General Plan Amendment to permit integrated, mixed-use commercial and residential development to be considered and regulated with the adoption of specific plans and a Zoning Code Text Amendment (Artesia Boulevard Corridor Specific Plan Amendment) to allow the proposed mixed-use development with residential uses. The requested approvals also include a Design Review and Vesting Tentative Tact Map.

LEVEL OF SERVICE METHODOLOGY

This LTA has been conducted in in accordance with the *Los Angeles County Public Works Transportation Impact Analysis Guidelines Plan*[2] (July 2020) (TIA Guidelines), and input from City staff during scoping of the Project's traffic analysis requirements. The study area and intersections were established in consultation with City staff through the Scoping Agreement process. A copy of the approved Scoping Agreement is provided in **Appendix A**.

Kimley-Horn will identify Project-related Level of Service (LOS) deficiencies based on criteria within the County's TIA Guidelines, and recommend improvements to alleviate deficiencies resulting from the Project, if necessary.

Analysis Scenarios

The Project will be evaluated for the following conditions:

- Existing (2022) Conditions
- Existing (2022) Plus Project
- Opening Year (2025) Conditions
- Opening Year (2025) Plus Project

Study Locations

The LOS analysis will be conducted at the following study intersections:

1. Roseton Avenue at Artesia Boulevard (Signalized)
2. Flallon Avenue at Artesia Boulevard (Unsignalized)
3. Alburtis Avenue at Artesia Boulevard (Unsignalized)
4. Pioneer Boulevard at Artesia Boulevard (Signalized)

It should be noted that the two signalized study area intersections (i.e., Roseton Avenue at Artesia Boulevard and Pioneer Boulevard at Artesia Boulevard) were evaluated as part of the *Artesia Boulevard Corridor Specific Plan*[3] and all study intersections are located within the City of Artesia's jurisdiction.

Analysis Methodology

Peak hour intersection operations at signalized and unsignalized intersections were evaluated using the *Highway Capacity Manual, 6th Edition* (HCM 6) methodology, consistent with City of Artesia and County of Los Angeles requirements. The TIA Guidelines require analysis of traffic operations to be based on the vehicular delay methodologies of the HCM (Transportation Research Board Special Report 209). The Project's intersection analysis has been accomplished using the Synchro 11 analysis

2 *Los Angeles County Public Works Transportation Impact Analysis Guidelines*, County of Los Angeles, July 2020.

3 *Artesia Boulevard Corridor Specific Plan*, City of Artesia, Adopted December 13, 2011.

software and using the specified input parameters outlined in the TIA Guidelines.

The HCM delay forecast translates to a LOS designation, ranging from LOS A to LOS F. A summary description of each LOS and the corresponding delay is provided in **Table 2**.

TABLE 2 - LEVEL OF SERVICE DESCRIPTIONS
HCM METHODOLOGY

LOS	Average Delay (sec / vehicle)		Description
	Signalized	Unsignalized	
A	< 10.0	< 10.0	LOS A represents free flow. Individual users are virtually unaffected by the presence of others in the traffic stream.
B	> 10.0 - 20.0	> 10.0 - 15.0	LOS B represents stable flow, but the presence of others in the traffic stream begins to be noticeable. Freedom to select desired speeds is relatively unaffected, but there is a slight decline in the freedom to maneuver.
C	> 20.0 - 35.0	> 15.0 - 25.0	LOS C is in the range of stable flow, but marks the beginning of operation in which individual users become affected by interaction with others in the traffic stream.
D	> 35.0 - 55.0	> 25.0 - 35.0	LOS D represents high-density, but stable flow. Speed and freedom to maneuver are restricted, and the driver experiences a generally poor level of comfort and convenience.
E	> 55.0 - 80.0	> 35.0 - 50.0	LOS E represents operating conditions at or near the capacity of the intersection. All speeds are reduced to a low, but relatively uniform level. Small increases in flow will cause breakdowns in traffic movement.
F	> 80.0	> 50.0	LOS F represents forced, or breakdown flow. This condition occurs when the amount of traffic approaching the intersection exceeds the volume which can pass through the intersection, resulting in queues and congestion.

For signalized intersections, the HCM methodology estimates the average delay (in average seconds per vehicle) for each of the movements through the intersection, taking into account a number of factors, including number of lanes, volume of traffic, cycle length, and signal timing and phasing. For unsignalized intersections, the HCM methodology analysis determines the average total delay for each vehicle making any movement from the stop-controlled minor street, as well as left turns from the major street. Delay values are calculated based on the relationship between traffic on the major street and the availability of acceptable gaps in the traffic stream through which conflicting traffic movements can be made. The delay and LOS reported is based on the worst movement with the highest delay.

The following assumptions were included in the analysis:

- Peak-hour factor (PHF) based on the existing traffic data was used for the Existing (2022) and Opening Year (2025) scenarios.

- Heavy Vehicle (HV) percentage assumed to be 2 percent, consistent with other traffic studies prepared in the area.

- Traffic signal timing at Roseton Avenue and Pioneer Boulevard was based on existing traffic signal timing plans provided by the City. Timing Plans are provided in **Appendix B**.

- Shared left/through/right-turn movements at Roseton Avenue, Flallon Avenue, and Alburtis Avenue were evaluated as a shared left-turn/through movement and separate right-turn pocket with 50-foot storage. This assumption is based on the wide approach lanes, red-curb painted on approach and the "sneak-by" loops existing at Roseton Avenue.

- 40 miles per hour (mph) speeds are assumed along Artesia Boulevard.

Performance Criteria

Criteria for LOS deficiencies are based on the policies adopted in the City of Artesia's General Plan[4], which states that LOS D or better is acceptable. A Project induced deficiency is assumed if the addition of Project traffic would cause a facility that is operating acceptably (LOS A, B, C, or D) to begin to operate unacceptably (LOS E or F). For facilities already operating unacceptably (LOS E or F) without project traffic, any added project traffic to the facility is considered a project deficiency and a fair-share calculation for cost of improvements is provided.

4 *Artesia General Plan Update*, City of Artesia, July 2010.

EXISTING (2022) CONDITIONS

Street System

Regional access to the Project site is provided by the San Gabriel River Freeway (I-605), located less than 0.50 mile west of the Project site, and the Artesia Freeway (SR-91), located less than 0.25 mile north of the Project site. The following describes the roadways providing access to the study area.

Artesia Boulevard is an east-west roadway that provides two vehicle travel lanes in each direction within the study area with a raised median separating traffic. The posted speed limit is 40 miles per hour (mph). A westbound bike lane is provided on the street's north side. On-street parking is prohibited on the street's north side (adjacent to the Project site) and generally permitted on the south side. The City of Artesia General Plan Circulation Element (Circulation Element) designates Artesia Boulevard as a Primary Arterial Highway.

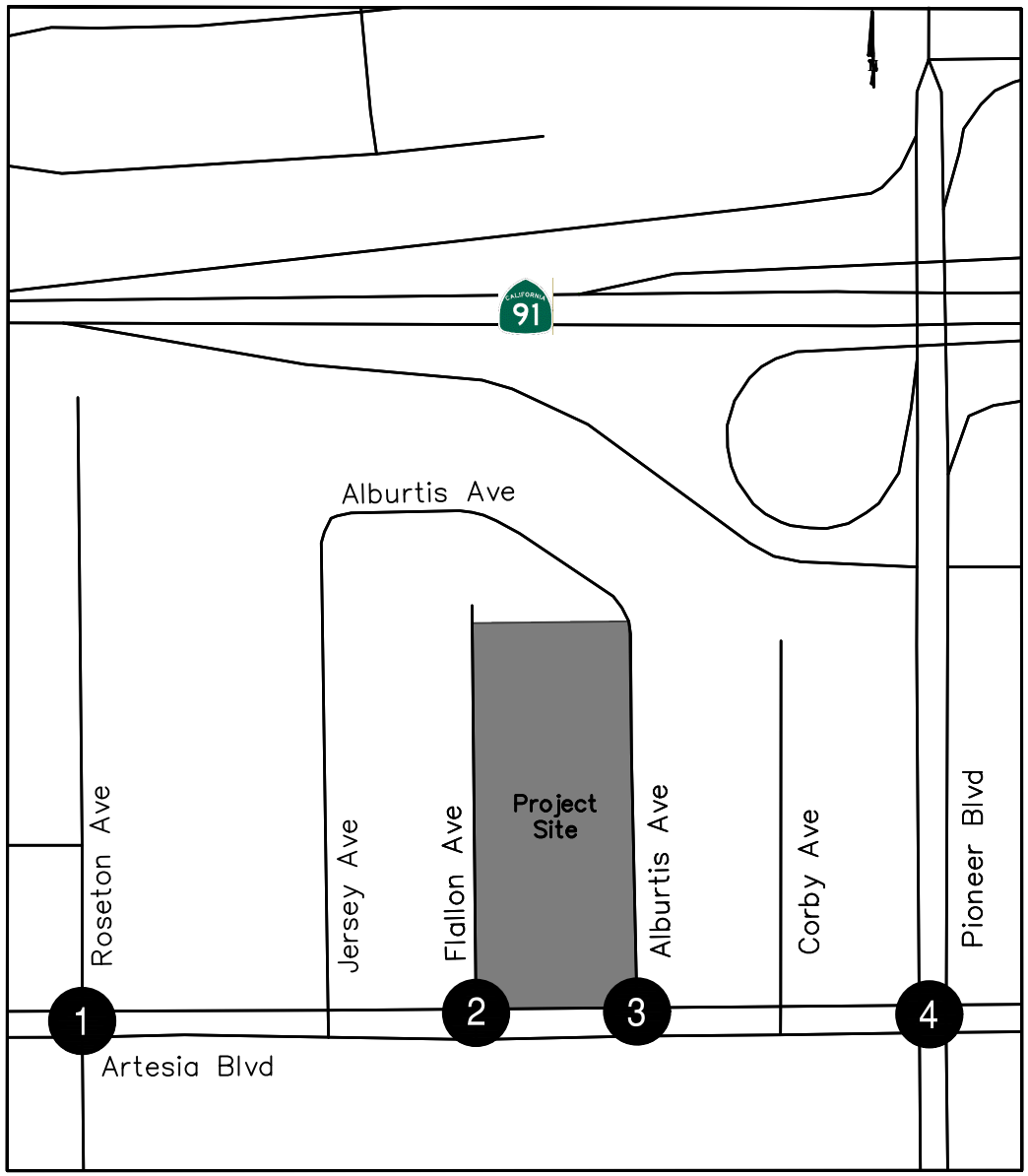
Roseton Avenue is a north-south roadway that provides one vehicle travel lane in each direction within the study area. The posted speed limit is 25 mph. On-street parking is generally permitted. The Circulation Element designates Roseton Avenue as a Local Street.

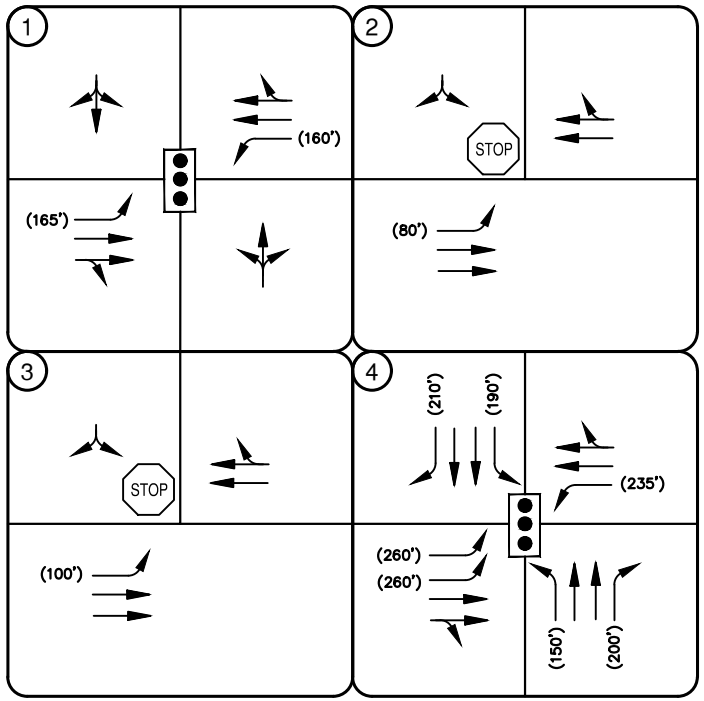
Flallon Avenue is a north-south roadway that provides one vehicle travel lane in each direction within the study area. There is no posted speed limit (25 mph is assumed). On-street parking is generally permitted. The Circulation Element designates Flallon Avenue as a Local Street.

Alburtis Avenue is a north-south roadway that provides one vehicle travel lane in each direction within the study area. There is no posted speed limit (25 mph is assumed). On-street parking is generally permitted. The Circulation Element designates Alburtis Avenue as a Local Street.

Pioneer Boulevard is a north-south roadway that provides two vehicle travel lanes in each direction within the study area with a raised median separating traffic. The posted speed limit is 35 mph. On-street parking is prohibited on both sides of the street. The Circulation Element designates Pioneer Boulevard as a Primary Arterial Highway.

The existing (as of June 2022) intersection lane configurations and traffic controls are illustrated in **Figure 3**.





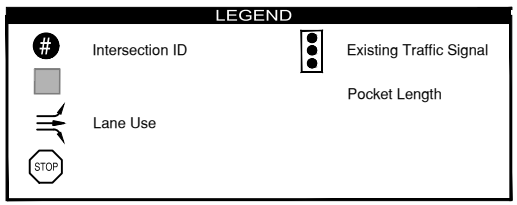


FIGURE 3: Existing Lane Configuration and Traffic Control

Artesia Place Project

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Transit Service

Transit service to the study area is provided by the City of Cerritos, Orange County Transit Authority (OCTA), Los Angeles County Metropolitan Transportation Authority (Metro), and Long Beach Transit (LBT), which all serve the City of Artesia and surrounding area. The bus stops nearest the Project site are at the Pioneer Boulevard at Artesia Boulevard intersection. The bus routes serving the study area are described below.

City of Cerritos (Cerritos on Wheels) Route 1C (Cerritos to Artesia) operates between Cerritos College and Civic Center along Pioneer Boulevard, 183rd Street, Gridley Road, South Street, and Bloomfield Avenue. Route 1C operates Monday through Saturday from approximately 9:00 AM to 5:00 PM with approximately 1-hour headways.

OCTA Route 30 (Cerritos to Anaheim) operates between Los Cerritos Center and Anaheim along 183rd Street, Gridley Road, South Street, and Orangethorpe Avenue. Route 30 operates every day from approximately 7:00 AM to 7:45 PM with approximately 1-hour headways.

Metro Local Line 62 (Downtown Los Angeles to Hawaiian Gardens) operates between Downtown Los Angeles and Hawaiian Gardens along 6th Street, 7th Street, Olympic Boulevard, Telegraph Road, Norwalk Boulevard, Pioneer Boulevard, and Gridley Road. Route 62 operates on weekdays from approximately 4:15 AM to 11:00 PM with approximately 30-minute headways, and on weekends from approximately 4:30 AM to 11:00 PM with approximately 1-hour headways.

NTS Route 2 (Metro C [Green] Line Norwalk Station to Gridley to 183rd Street) operates in a loop between the Metro C Line Norwalk Station in Norwalk, south on Pioneer Boulevard to Artesia, west on 183rd Street, and back north to the Metro C Line Norwalk Station. Route 2 operates from 6:00 a.m. to 7:33 p.m. on weekdays with approximately 37-minute headways. Route 2 operates from 9:16 a.m. to 5:54 p.m. on weekends with approximately 1-hour 15 minute headways.

LBT Route 172 (Artesia to Long Beach) operates between Palo Verde Avenue and Downtown Long Beach along Long Beach Boulevard, Pacific Avenue, Pacific Coast Highway, Palo Verde Avenue, South Street, Studebaker Road, and 183rd Street. Route 172 operates weekdays from approximately 5:30 AM to 7:00 PM with approximately 30-minute headways. No bus service is provided on the weekends.

LBT Route 173 (Artesia to Long Beach) operates between Studebaker Road and Downtown Long Beach along 183rd Street, Gridley Road, Norwalk Boulevard, Carson Street, and Pacific Avenue. Route 173 operates weekdays from approximately 5:00 AM to 9:45 PM with approximately 30-minute headways, and on weekends from approximately 6:45 AM to 9:45 PM with approximately 1-hour headways.

LBT Route 192 (Artesia to Downtown Long Beach) operates between 183rd Street and Magnolia Avenue along 183rd Street, Gridley Road, South Street, Long Beach Boulevard, Santa Fe Avenue,

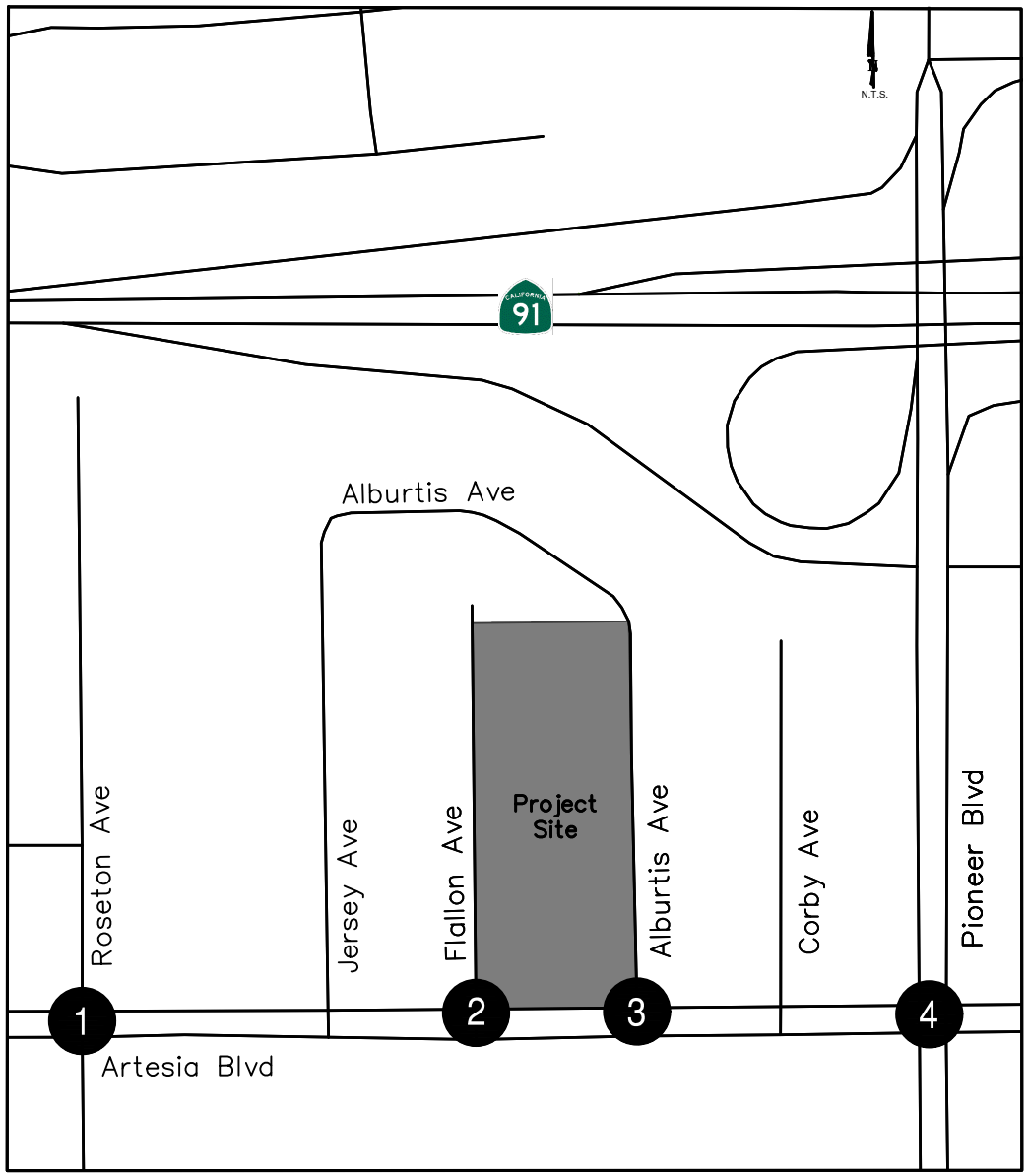
Anaheim Street, and Magnolia Avenue. Route 192 operates weekdays from approximately 5:00 AM to 10:00 PM with approximately 30-minute headways, and on weekends from approximately 5:30 AM to 9:00 PM with approximately 1-hour headways.

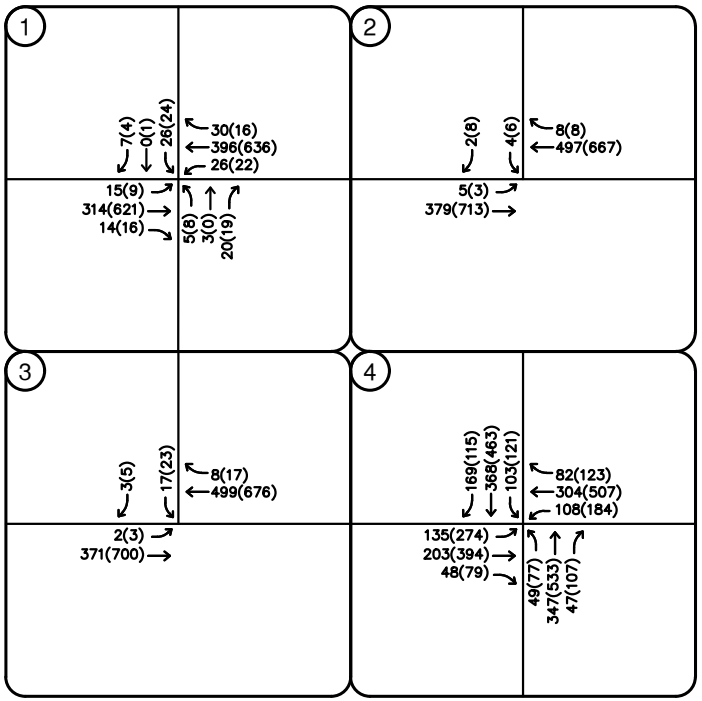
Traffic Volumes

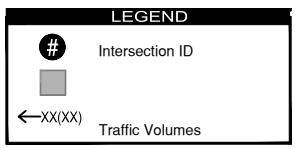
On June 9, 2022, existing intersection turning movement volumes for the four study area intersections were collected during the typical 7-9 AM and 4-6 PM commuter peak periods. Additionally, 24-hour roadway directional volumes were collected at three locations along Artesia Boulevard and at one location along both Flallon Avenue and Alburtis Avenue in order to perform traffic signal warrant analyses for these unsignalized study intersections. Because the traffic volumes were collected when local schools were on summer break, a 10 percent growth factor was applied to existing traffic volumes collected. The adjusted existing peak hour turning movement volumes are shown in Figure 4. The raw traffic volume data sheets are provided in Appendix B.

Peak Hour Intersection Operations

Intersection LOS operations were evaluated at the study intersections under Existing (2022) Conditions using the analysis procedures and assumptions described above. Table 3 provides the results of the intersection analysis and indicates that all study intersections currently operate at LOS D or better during the AM and PM peak hours under Existing (2022) Conditions. Intersection analysis worksheets are provided in *Appendix C*.







Artesia Place Project

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FIGURE 4 Existing Intersection Traffic Volumes

TABLE 3
SUMMARY OF INTERSECTION OPERATIONS
EXISTING CONDITIONS

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
1	Roseton Avenue at Artesia Boulevard	S	4.9	A	4.8	A
2	Flallon Avenue at Artesia Boulevard	U	15.4	C	19.8	C
3	Alburtis Avenue at Artesia Boulevard	U	17.3	C	26.2	D
4	Pioneer Boulevard at Artesia Boulevard	S	32.5	C	42.4	D

Notes:
- **Bold** values indicate intersections operating at an unacceptable Level of Service
- Delay values for unsignalized intersections represent the average vehicle delay on the worst (highest delay) intersection approach.

PROJECT TRAFFIC

Project Trip Generation

Trip generation estimates for the Project are based on the *Institute of Transportation Engineers Trip Generation Manual*, 11th Edition (ITE).[5] A trip is defined as a single, one-directional vehicle movement with either the origin or destination at the project site. In other words, a trip can be either "to" or "from" the site and therefore, a single visitor to a site is counted as two trips. Project trips are estimated for the total average daily, AM (7-9) and PM (4-6) commuter peak hours on a typical weekday. Project-generated trips were based on average rates for ITE Land Use 220 (Multifamily Housing – Low Rise) for the residential units, ITE Land Use 712 (Small Office Building) for the live/work townhomes SF proposed as office space, ITE Land Use 822 (Strip Retail Plaza - <40K) for the retail space, and ITE Lane Use 933 (Fast-Food Restaurant without Drive-Through) for the restaurant space.

Trip reductions were taken in account for internal capture and pass-by trips. With multi-use development, there is potential for interaction among onsite uses. These types of trips are considered internal to the site and are "captured" within the site. Typically, internal capture is derived by methodology and data within ITE *Trip Generation Handbook, 3rd Edition*. However, these percentages exceed the 5 percent maximum reduction that is accepted by Caltrans. Because SR-91 is just north of the study area (less than 0.25 mile north of the Project site), this analysis assumes an internal capture of 5 percent. Additionally, commercial uses such as ITE Land Uses 822 and 933 generate pass-by trips. These trips represent vehicles already on the road that stop as they pass by the site on their route to another destination. Pass-by trips would enter and exit the site at the Project driveways but are not new/added trips on the external street and roadway network. Pass-By trip reductions are based on available information from *ITE Trip Generation Manual, 11th Edition*.

The following is a summary of the pass-by reductions selected:

- Land Use 822
    - 0% AM / 29% PM reduction for Land Use 820 (Shopping Center > 150K)
    - 0% AM / 40% PM reduction for Land Use 821 (Shopping Plaza 40-150K)
- Land Use 933
    - 0% AM / 43% PM reduction for Land Use 932 (High-Turnover Sit-Down Restaurant)
    - 50% AM / 55% PM reduction for Land Use 934 (Fast-Food Restaurant with Drive-Through)

Based on the assessment of retail land uses, the 40% PM reduction was selected for the retail use (Land Use 822). This reduction is expected to be conservative since small shopping centers typically attract more pass-by trips than large centers. Based on the assessment of restaurant land uses, the 43% PM reduction was selected for the restaurant use (Land Use 933). This reduction was selected since it was the lower of the available rates and a more conservative assumption.

5 *Trip Generation Manual, 11th Edition*, Institute of Transportation Engineers, 2022.

Table 4 summarizes the Project's expected trip generation. **Appendix D** contains relevant ITE trip generation rate excerpts for trip rates, pass-by reductions, time of day distributions, and internal capture calculations. Based on these assumptions, 74 PM commuter peak hour pass-by trips (37 inbound / 37 outbound) are expected to be generated. The Project is estimated to generate a net total of 2,585 daily trips, with 224 trips (121 inbound / 104 outbound) during the AM commuter peak hour and 137 trips (73 inbound / 64 outbound) during the PM commuter peak hour peak hour.

Trip Distribution and Assignment

Project trip distribution assumptions were based on proximity to regional and local roadways and existing travel patterns. Trip distribution percentages at each study intersection were applied to Project trip generation to determine Project trips through each intersection. Project trip distribution and resulting peak hour trips to be added to the surrounding street system are shown on **Figure 5**.

TABLE 4
SUMMARY OF PROJECT TRIP GENERATION
Artesia Place Project

Land Use	ITE Code	Unit	Trip Generation Rates [1]						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Multifamily Housing (Low-Rise)	220	DU	6.740	0.096	0.304	0.400	0.321	0.189	0.510
Small Office Building	712	KSF	14.390	1.369	0.301	1.670	0.734	1.426	2.160
Strip Retail Plaza (<40k)	822	KSF	54.450	1.416	0.944	2.360	3.295	3.295	6.590
Fast-Food Restaurant w/o Drive-thru	933	KSF	450.490	25.044	18.136	43.180	16.605	16.605	33.210

Land Use	Quantity	Unit	Trip Generation Estimates						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Proposed Use									
Multifamily Housing (Low-Rise)	80.000	DU	539	8	24	32	26	15	41
Small Office Building	2.443	KSF	35	3	1	4	2	3	5
Strip Retail Plaza (<40k)	4.407	KSF	240	6	4	10	15	15	30
Pass-by Trips (0% AM, 40% PM) [1]			-12	0	0	0	-6	-6	-12
Fast-Food Restaurant w/o Drive-thru	4.407	KSF	1,985	110	80	190	73	73	146
Pass-by Trips (0% AM, 43% PM) [1]			-62	0	0	0	-31	-31	-62
Internal Capture (5%)			-140	-6	-5	-11	-6	-5	-11
Net Project Trips			**2,585**	**121**	**104**	**225**	**73**	**64**	**137**

[1] Source: Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition

[2] Note: The Trip Generation Manual does not provide pass-by rates for daily trip generation. The daily pass-by trips shown are the sum of the AM and the PM pass-by trips.

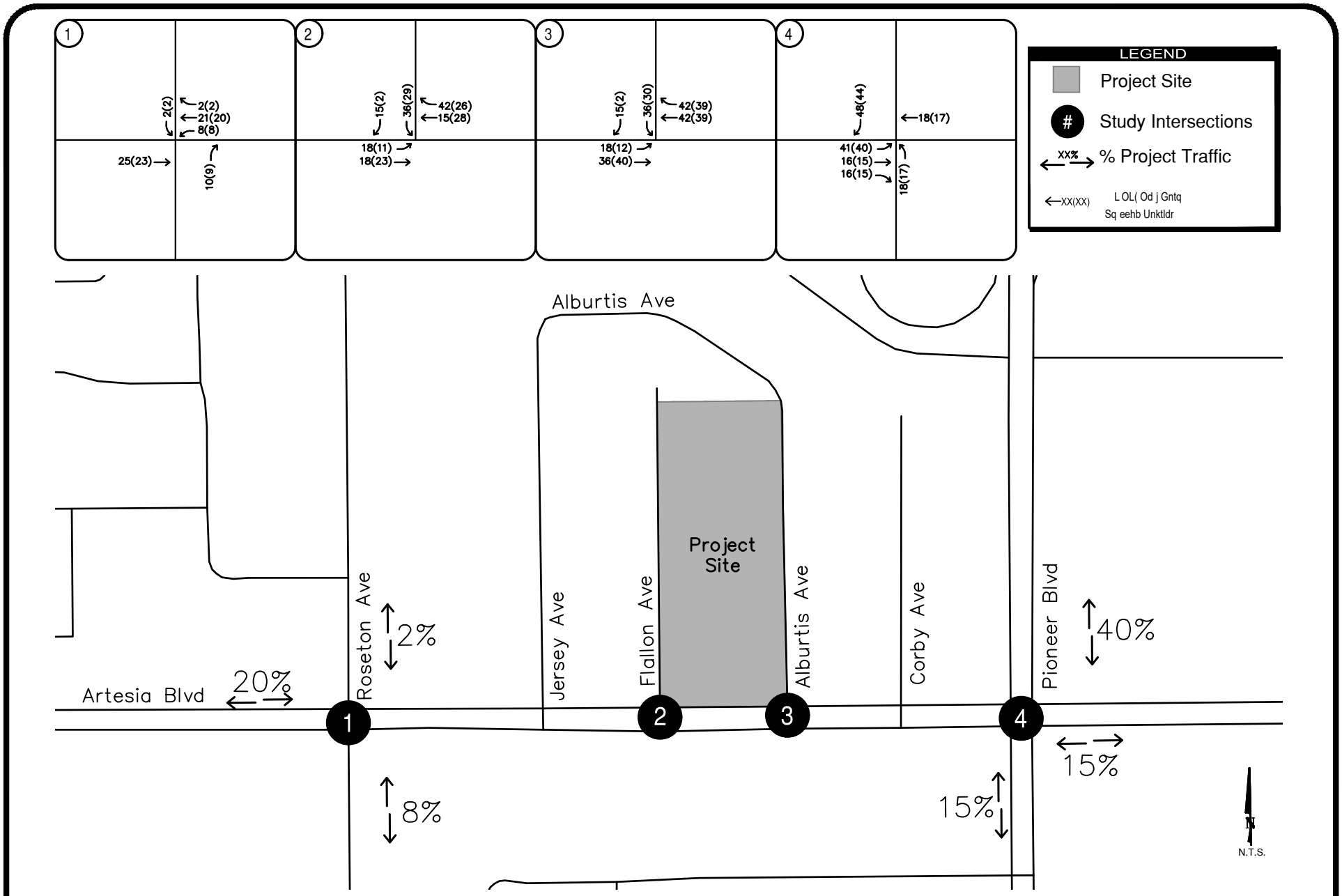

FIGURE 5 - Project Trip Distribution and Project-Related Intersection Traffic Volumes
Artesia Place Project

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EXISTING (2022) PLUS PROJECT CONDITIONS

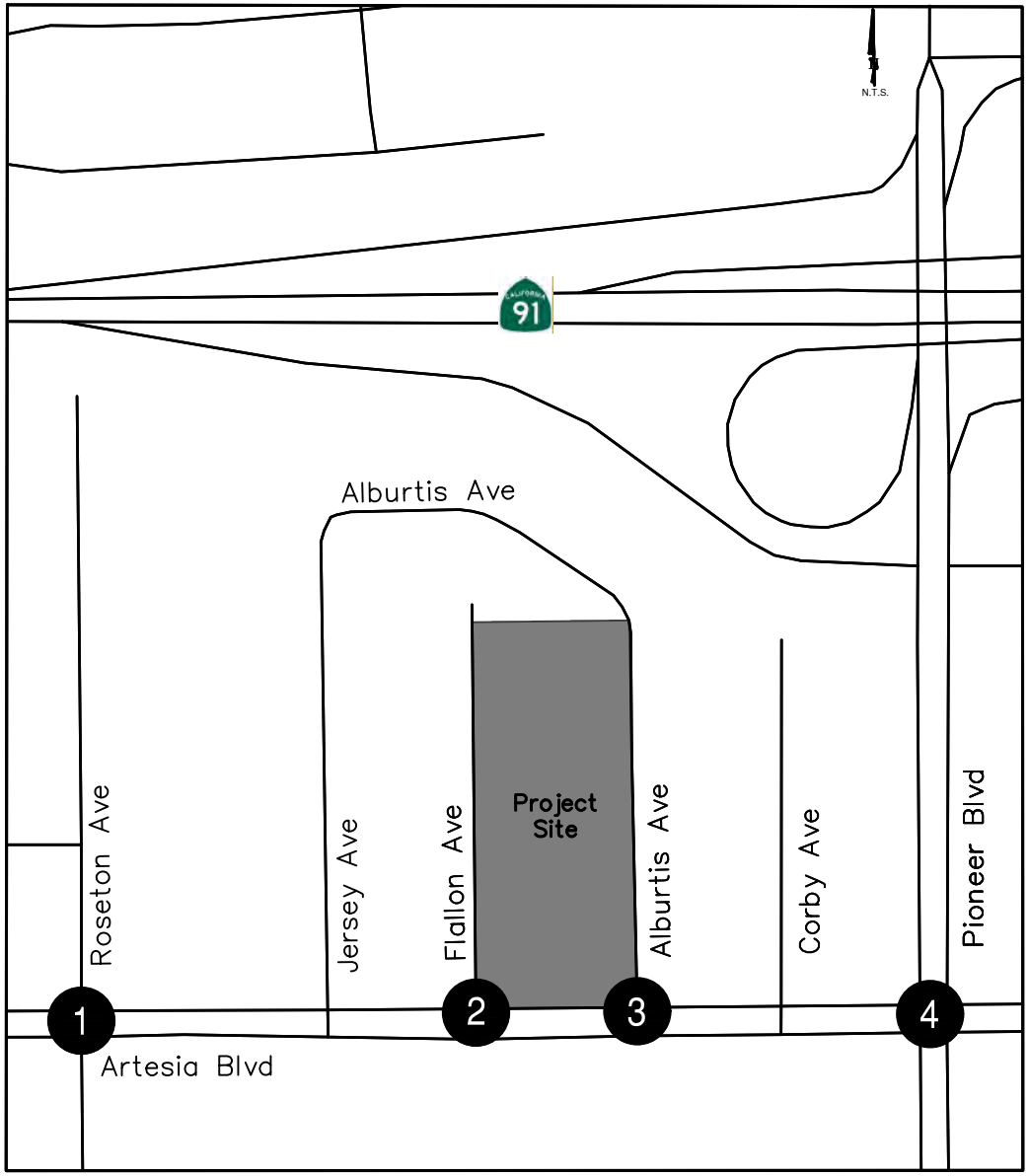
This section addresses the potential effects associated with adding Project-related trips to Existing (2022) Conditions traffic volumes. The Existing (2022) Plus Project Conditions scenario is a hypothetical scenario, which assumes that the Project would be fully implemented at the present time, with no other changes to area traffic volumes or to the street network serving the site. This analysis assumes Project development and full absorption of Project traffic on the circulation system at the present time. Because the Existing (2022) Plus Project Conditions scenario is only a hypothetical scenario, it is presented for informational purposes only, and is not used to assess Project effects or recommend improvements, if any.

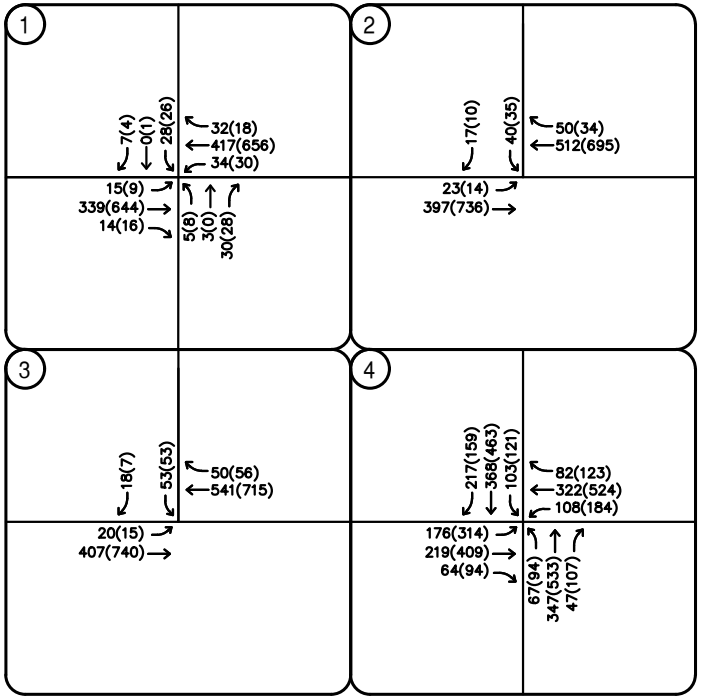
Peak Hour Intersection Operations

The peak hour traffic volumes under Existing (2022) Plus Project Conditions are shown on **Figure 6**. **Table 5** provides the results of the Existing (2022) Plus Project Conditions intersection analysis and indicates all study intersections would operate at an acceptable LOS (LOS D or better), except the following study intersections would operate at an unacceptable LOS (LOS E or worse) during the PM peak hour under Existing (2022) Plus Project Conditions:

- #2 – Flallon Avenue at Artesia Boulevard: PM – LOS E
- #3 – Alburtis Avenue at Artesia Boulevard: PM – LOS E

Traffic signal warrant analyses were conducted for the above mentioned deficient unsignalized intersections, as discussed in the *Traffic Signal Warrant Analysis* Section below. Intersection analysis worksheets are provided in ***Appendix C***.





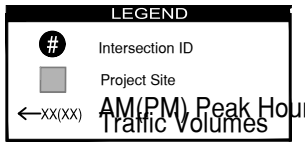


FIGURE 6 - Existing Plus Project Intersection Traffic Volumes
Artesia Place Project

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TABLE 5
SUMMARY OF INTERSECTION OPERATIONS
EXISTING PLUS PROJECT CONDITIONS

Int. #	Intersection	AM Peak Hour						PM Peak Hour					
		Without Project		With Project		Change Delay	Project-Related Effect?	Without Project		With Project		Change Delay	Project-Related Effect?
		Delay	LOS	Delay	LOS			Delay	LOS	Delay	LOS		
1	Roseton Avenue at Artesia Boulevard	4.9	A	5.6	A	0.7	No	4.8	A	5.6	A	0.8	No
2	Flallon Avenue at Artesia Boulevard	15.4	C	19.9	C	4.5	No	19.8	C	40.6	**E**	20.8	**Yes**
3	Alburtis Avenue at Artesia Boulevard	17.3	C	22.7	C	5.4	No	26.2	D	42.4	**E**	16.2	**Yes**
4	Pioneer Boulevard at Artesia Boulevard	32.5	C	33.9	C	1.4	No	42.4	D	44.6	D	2.2	No

Notes:
- **Bold** values indicate intersections operating at an unacceptable Level of Service
- Delay values for unsignalized intersections represent the average vehicle delay on the worst (highest delay) intersection approach.

OPENING YEAR (2025) CONDITIONS

Street System

For Opening Year (2025) Conditions, no changes or improvements to the roadway network were assumed. The intersection lane configurations and traffic controls shown in **Figure 3**, also apply to Opening Year (2025) Conditions assumptions.

Traffic Volumes

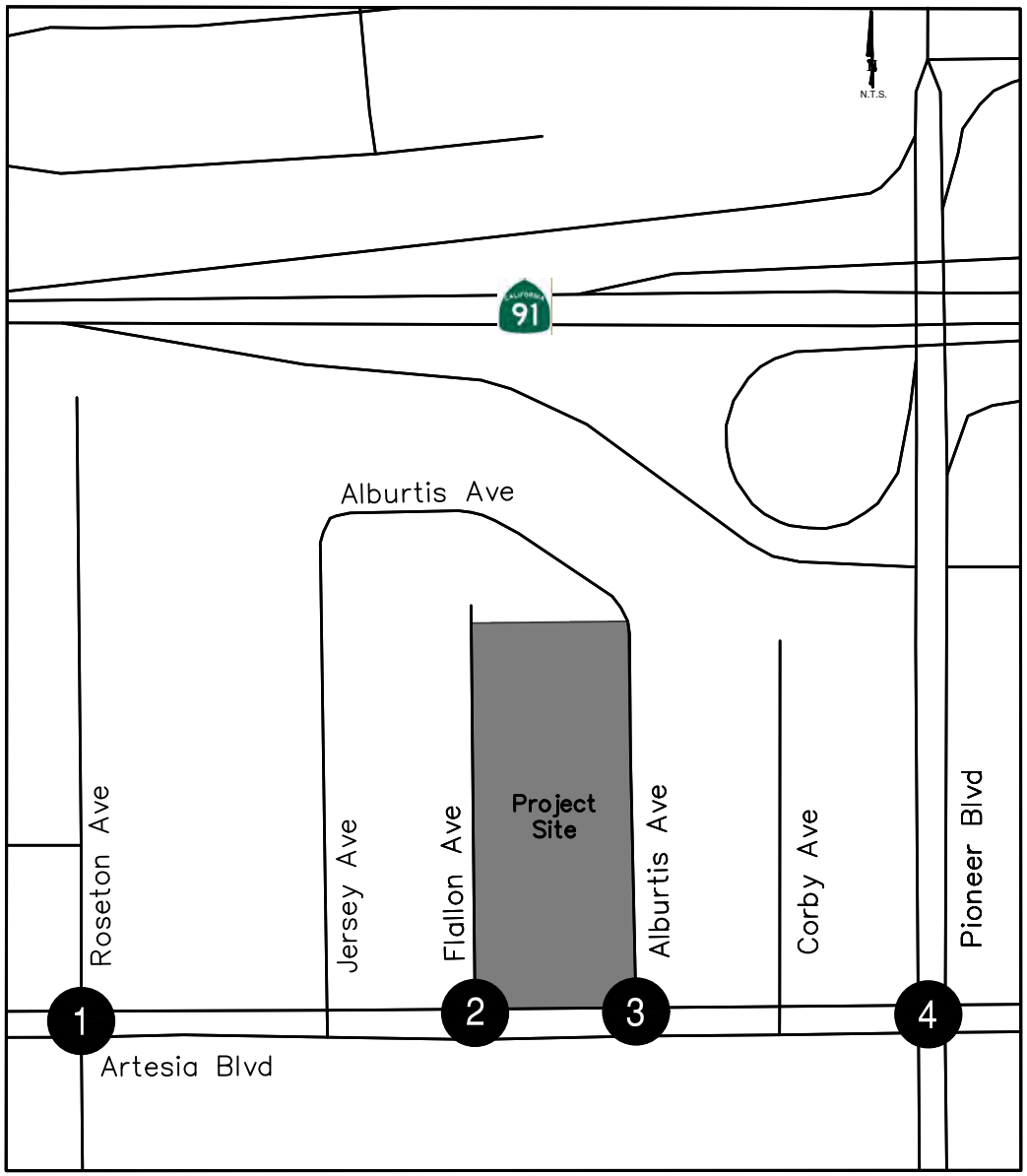
For Opening Year (2025) Conditions, an annual growth rate of 1% was applied to existing traffic volumes to account for background growth, consistent with other traffic studies performed within the City and Project vicinity. Additionally, information on cumulative projects being processed or constructed in the study area was obtained from City staff and assessed. Based on the locations and expected traffic generated within the study area by these projects, traffic volumes from the following projects were included in Opening Year (2025) Conditions:

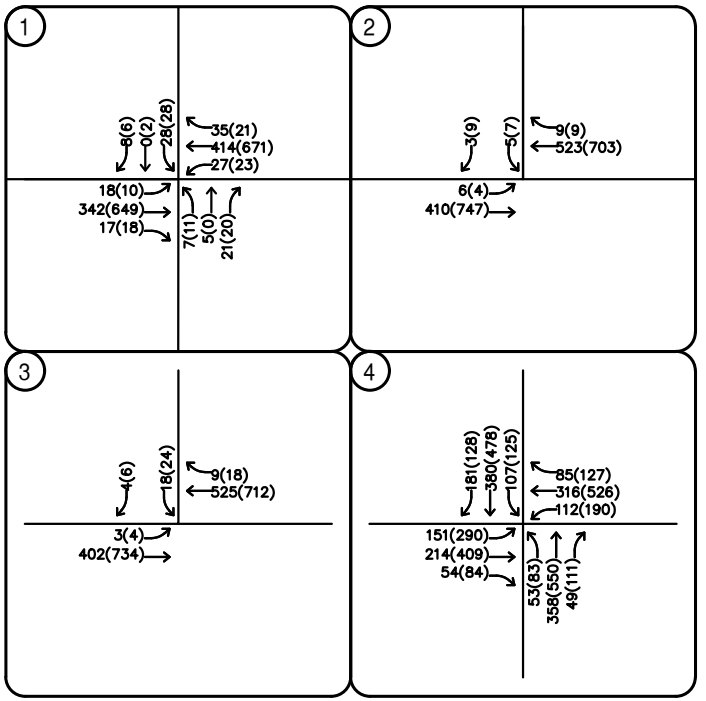
- 30-unit residential townhomes located at 11504 Artesia Boulevard
- 4,758 square foot office/warehouse building located at 17172 Roeston Avenue

The resulting Opening Year (2025) Conditions peak hour turning movement volumes are shown in **Figure 7**. Cumulative project information and assumed traffic volumes (trip generation / distribution) added to the roadway network are provided in **Appendix E.**

Peak Hour Intersection Operations

Intersection LOS operations were evaluated at the study intersections under Opening Year (2025) Conditions using the analysis procedures and assumptions described above. **Table 6** provides the results of the Opening Year (2025) Conditions intersection analysis and indicates that all study intersections would operate at an acceptable LOS (LOS D or better) during the AM and PM peak hours. Intersection analysis worksheets are provided in ***Appendix C***.





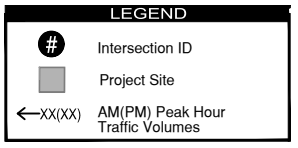


FIGURE 7 - Opening Year Intersection Traffic Volumes
Artesia Place Project

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TABLE 6
SUMMARY OF INTERSECTION OPERATIONS
OPENING YEAR CONDITIONS

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
1	Roseton Avenue at Artesia Boulevard	S	5.4	A	5.6	A
2	Flallon Avenue at Artesia Boulevard	U	16.0	C	21.7	C
3	Alburtis Avenue at Artesia Boulevard	U	18.1	C	28.5	D
4	Pioneer Boulevard at Artesia Boulevard	S	33.3	C	44.1	D

Note:
- **Bold** values indicate intersections operating at an unacceptable Level of Service
- Delay values for unsignalized intersections represent the average vehicle delay on the worst (highest delay) intersection approach.

OPENING YEAR (2025) PLUS PROJECT CONDITIONS

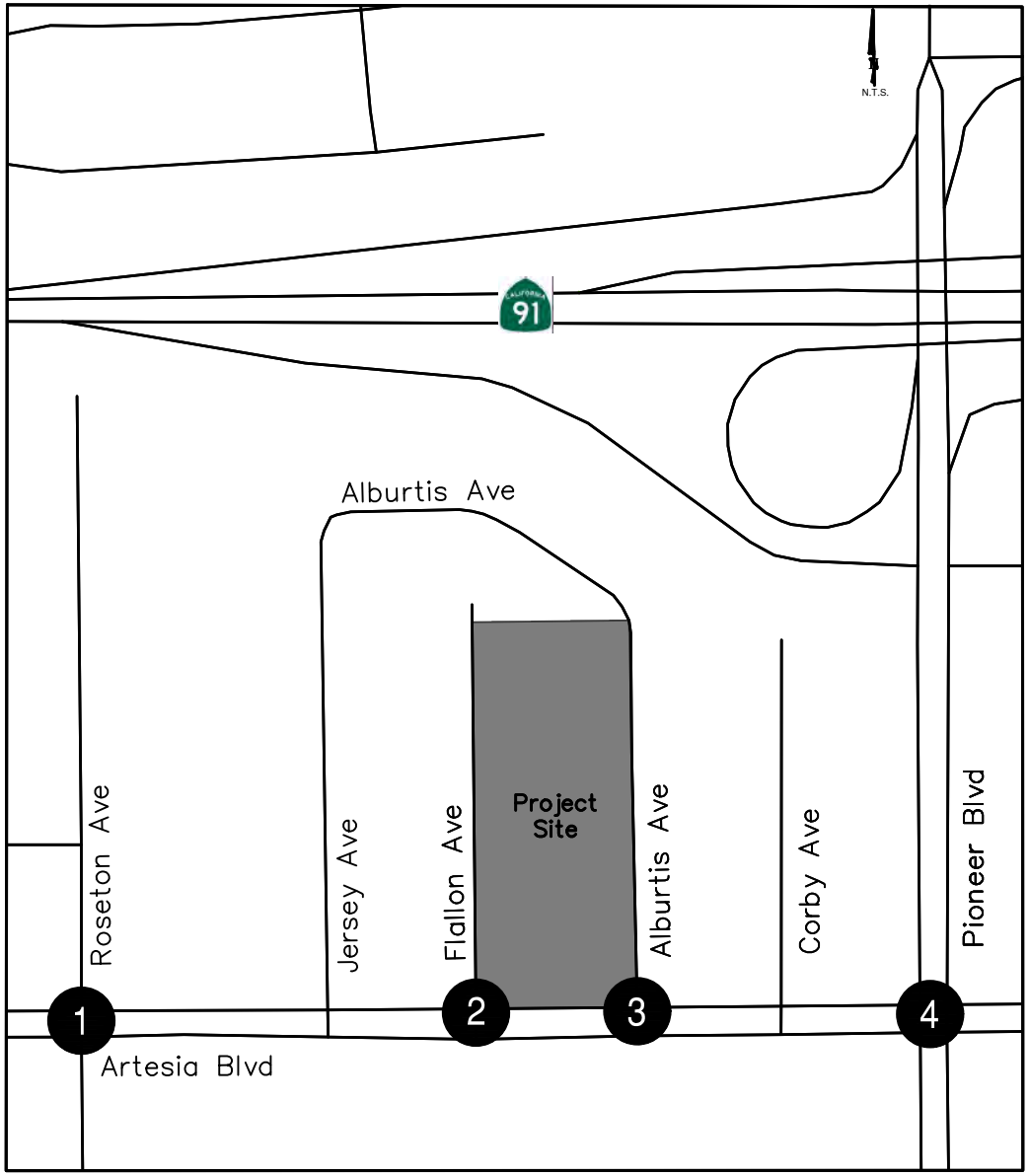
This section addresses the potential effects associated with adding Project-related trips to Opening Year (2025) Conditions traffic volumes.

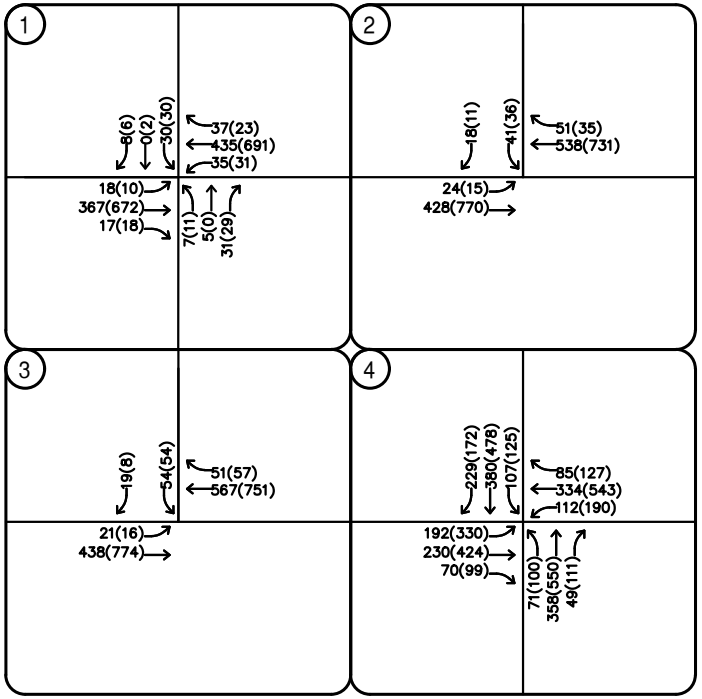
Peak Hour Intersection Operations

Project-related trips were added to Opening Year (2025) Conditions traffic volumes to develop the volumes for the Opening Year (2025) Plus Project Conditions scenario. The resulting peak hour traffic volumes are shown on **Figure 8**. **Table 7** Provides the results of the Opening Year (2025) Plus Project Conditions intersection analysis and indicates all study intersections would operate at an acceptable LOS (LOS D), except the following study intersections would operate at an unacceptable LOS during the PM peak hour under Opening Year (2025) Plus Project Conditions:

- #2 – Flallon Avenue at Artesia Boulevard: PM – LOS E
- #3 – Alburtis Avenue at Artesia Boulevard: PM – LOS E

Traffic signal warrant analyses were conducted for the above mentioned deficient unsignalized intersections, as discussed in the *Traffic Signal Warrant Analysis* Section below. Intersection analysis worksheets are provided in ***Appendix C***.





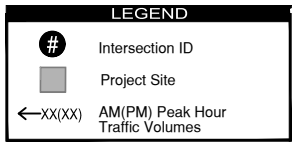


FIGURE 8 - Opening Year Plus Project Intersection Traffic Volumes
Artesia Place Project

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TABLE 7
SUMMARY OF INTERSECTION OPERATIONS
OPENING YEAR PLUS PROJECT CONDITIONS

Int. #	Intersection	AM Peak Hour						PM Peak Hour					
		Without Project		With Project		Change in Delay	Sig Impact?	Without Project		With Project		Change in Delay	Sig Impact?
		Delay	LOS	Delay	LOS			ICU/ Delay	LOS	Delay	LOS		
1	Roseton Avenue at Artesia Boulevard	5.4	A	6.1	A	0.700	No	5.6	A	6.4	A	0.8	No
2	Flallon Avenue at Artesia Boulevard	16.0	C	21.3	C	5.300	No	21.7	C	46.4	**E**	24.7	**Yes**
3	Alburtis Avenue at Artesia Boulevard	18.1	C	24.9	C	6.800	No	28.5	D	48.7	**E**	20.2	**Yes**
4	Pioneer Boulevard at Artesia Boulevard	33.3	C	34.7	C	1.400	No	44.1	D	46.9	D	2.8	No

Notes:
- **Bold** values indicate intersections operating at an unacceptable Level of Service
- Delay values for unsignalized intersections represent the average vehicle delay on the worst (highest delay) intersection approach.

ADDITIONAL ANALYSIS

Traffic Signal Warrant Analysis

Traffic signals may be justified when traffic operations fall below acceptable LOS standards and when one or more signal warrants are satisfied. Per the 2014 California Manual on Uniform Traffic Control Devices (CA MUTCD), expected traffic volumes for the Opening Year (2025) Plus Project conditions were evaluated for the following unsignalized intersections:

- #2 – Flallon Avenue at Artesia Boulevard: PM – LOS E
- #3 – Alburtis Avenue at Artesia Boulevard: PM – LOS E

The warrants were conducted by evaluating Warrant 1 (8-Hour Volume) and Warrant 2 (4-Hour Volume). Since the Project is not an unusual land use nor attracts/discharges large numbers of vehicles over a short time, Warrant 3 (Peak Hour Volume) does not apply. Given the proximity of the subject intersections from adjacent signalized intersections/pedestrian crossings, distance from nearest school, and lack of existing traffic and history of collisions, Warrants 4 through 8 were also not evaluated.

The future traffic volumes evaluate were developed existing 24-hour roadway counts, the Project's expected trip generation / distribution, and weighted average Time of Day (TOD) distribution based on ITE[6] information. The traffic signal warrant analysis worksheets and volume development calculations / assumptions are provided in ***Appendix F***. Based on CA MUTCD, for Warrants 1 and 2, neither intersection satisfies the signal warrants under the Opening Year (2025) Plus Project conditions. **Table 8** shows a summary of the traffic signal warrant evaluation for the two locations.

Parking Assessment

Onsite Parking. Pursuant to Artesia Municipal Code (AMC) §9-2.1103: Parking Spaces Required, the Project would require 214 vehicle parking spaces to meet the parking demand generated by the proposed land uses (see **Table 9**). The Project proposes 216 vehicle parking spaces, as follows: for the residential uses, two spaces per garage for a total of 160 spaces and 20 guest spaces; and 36 parking spaces for the commercial uses (i.e., the live-work/shopkeeper units and retail uses).

Offsite (On-street) Parking. The Project would also provide approximately 20 marked offsite on-street parallel parking spaces along Flallon Avenue and Alburtis Avenue. These offsite on-street spaces are not proposed to meet the Project's parking demand (as described above), but are proposed as a community benefit.

6 *Trip Generation Manual, 11th Edition*, Institute of Transportation Engineers, 2022.

TABLE 8
SIGNAL WARRANT SUMMARY
Artesia Place

CA-MUTCD Warrant	Flallon Avenue	Alburtis Avenue
1	NOT SATISFIED	NOT SATISFIED
2	NOT SATISFIED	NOT SATISFIED
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A

Offsite (Vehicle Storage). The fully improved, existing 0.2-acre parking lot located at 17212 Alburtis Avenue would be made available to one of the eight proposed shopkeeper units for vehicle storage purposes. The Project does not propose to improve or modify this existing lot. The Specific Plan will detail the land uses permitted on this lot. Also, the spaces on this lot are not included in the Project's parking supply, as discussed above.

Rideshare Parking. An approximately three-space rideshare pickup/drop-off (e.g., Lyft or Uber) location is proposed at the Project site's southern portion, along Artesia Boulevard.

Bicycle Parking. The Project proposes 40 bicycle parking spaces.

Table 9 shows a breakdown of the parking spaces required and provided.

Site Access and Circulation

Vehicular access would be provided at 9 locations: 4 full-access driveways and 1 full-access private street along Flallon Avenue, and 3 full-access driveways and 1 full-access private street along Alburtis Avenue. No access to the site is proposed along Artesia Boulevard. The private streets are 20 feet wide, which has been approved by the Los Angeles County Fire Department. All nine access locations would be stop-controlled at outbound approach only. Parking for the residential units would be accessed directly via the four private alley driveways along Flallon Avenue and three private alley driveways along Alburtis Avenue. Parking for the commercial uses would be accessed via the two private streets along Flallon Avenue and Alburtis Avenue. Striped bulb-outs would be added to the driveways on Alburtis Avenue to facilitate line of sight for vehicles leaving the Project site.

The Project would provide pedestrian-oriented accessible walkways to all of its uses. A central pedestrian walkway is provided between the uses and also down the center of the Project site. The walkway leads through landscaped courtyards towards a recreational area and the pool. This pedestrian walkway, causing the private alleys terminate, thereby restricting traffic from "cutting-through" the Project site via the private alleys. The two private streets connect are separated by a drivable mountable raised "plaza". This feature is intended to enhance pedestrian safety, provide "traffic calming" and deter "cut-through" traffic. Sufficient space is provided on-site for vehicles to maneuver into and out of parking stalls and for the proposed internal circulation. Sidewalks would be provided on all Project site frontages and boundaries. The residential units that front the adjacent streets would include lockable gate access to the walkways that connect with the surrounding streets.

TABLE 9
Parking Summary
Artesia Place Project

Building / Use	Required Parking [1]	Proposed Parking
Residential (3-4 Bedroom = 76 DU; 2 Bedroom = 4 DU)		
Resident Spaces	158	160
Guest Spaces	26	20
Commercial (Total Retail SF = 8650 SF)	29	36
Total Parking Spaces	214	216

[1] Required Parking per G3Urban, Artesia Development, Conceptual Site Plan, dated July 18, 2022 (Figure 2) and based on City of Artesia Municipal Code, Section 9-2.1103

- Residential (3-4 Bedroom: 2 Parking Spaces / DU; 2 Bedroom: 1.5 Parking Spaces / DU; Guests: 0.33 Parking Spaces / DU)
- Commercial (1 Parking Space / 300 SF)

CONCLUSIONS AND RECOMMENDATIONS

Project Trip Generation

The Project is expected to generate 74 PM commuter peak hour pass-by trips (37 inbound / 37 outbound). The Project is estimated to generate a net total of 2,585 daily trips, with 224 trips (121 inbound / 104 outbound) during the AM commuter peak hour and 137 trips (73 inbound / 64 outbound) during the PM commuter peak hour peak hour.

Level Of Service Analysis Findings

The traffic operation analysis shows that the Project would degrade the LOS operations at intersections of Flallon Avenue / Artesia Boulevard and Alburtis Avenue / Artesia Boulevard during the PM peak hours (LOS E for the stop-controlled, southbound approach) under Existing (2022) Plus Project Conditions and Opening Year (2025) Plus Project Conditions. These delays are related to outbound traffic making the southbound left-turn movement onto Artesia Boulevards since they are required to wait for "gaps" in traffic for both the eastbound and westbound approaches.

Project Frontage and Access Recommendations

Vehicular access would be provided at 9 locations: 4 full-access driveways and 1 full-access private street along Flallon Avenue, and 3 full-access driveways and 1 full-access private street along Alburtis Avenue. All nine access locations would be stop-controlled at outbound approach only. Striped bulb-outs would be added to the driveways on Alburtis Avenue to facilitate line of sight for vehicles leaving the Project site. Consistent with the improvements proposed by Project, it is recommended that all 9 access locations are stop-controlled for the outbound approach. Other than these proposed stop controls, there are no further access recommendations.

The Project would provide pedestrian-oriented accessible walkways to all of its uses. Sidewalks would be provided on all Project site frontages and boundaries.

Offsite Recommendations

For the deficient intersections of Flallon Avenue / Artesia Boulevard and Alburtis Avenue / Artesia Boulevard, a traffic signal warrant analysis was conducted following CA MUTCD guidelines. Based on CA MUTCD, Warrants 1 and 2, neither intersection satisfies the signal warrants under the Opening Year (2025) Plus Project conditions. Therefore, it is not recommended to install traffic signal at either location.

The following are additional reasons supporting this recommendation:

- Both intersections are located within 700-feet of the adjacent signalized intersections. The Transportation Research Board (TRB)[7] recommends a minimum spacing of 0.25-mile (1,320-feet) between signalized intersection for general signal operations. Research indicates that when the spacing between signals falls below this threshold, the traffic flow along the route is more likely to be disrupted, traffic speeds/capacity decrease, and delays/queues generally increase for the network.
- The delay of the worst movement is only expected to be 46.4 (LOS E) at Flallon Avenue and 48.7 (LOS E) at Alburtis Avenue during the PM peak hour during Opening Year (2025) Plus Project Conditions, just above acceptable thresholds.
- The roadway volumes are generally low along Artesia Boulevard, allowing opportunities for vehicles to enter intersection, or "gaps" in traffic on the major street. SimTraffic Analysis indicates that sufficient "gaps" in traffic would regularly occur, allowing this movement to be made.
- The adjacent signalized intersections are expected to regulate the flow of traffic along Artesia Boulevard, providing larger "gaps" in traffic when the Artesia Boulevard approaches are stopped.
- SimTraffic queuing analysis indicates that the 95th percentile queue would be less than 50-feet during the PM peak hour, further indicating that turn maneuvers could be made.
- There are relatively low speeds along Artesia Boulevard due to the adjacent signalized intersections.
- Vehicles would have the ability to make a southbound right-turn, then make U-turns at the Roseton Avenue signalized intersection, in order to travel east of the site, if necessary.
- The intersections are expected to operate acceptably (LOS C) during the AM peak hour under Opening Year (2025) Plus Project Conditions.

7 *TRB Circular E-C019: Urban Street Symposium*, Transportation Research Board

APPENDIX A

SCOPING AGREEMENT

Doug Benash

From: Doug Benash
Sent: Wednesday, June 22, 2022 9:11 AM
To: Garcia, Rita
Cc: Art Bashmakian; Fan, Jessie; Planning; Jay Shih; Chandrasekhar, Sowmya
Subject: Re: Artesia Boulevard Corridor Specific Plan Amendment - Intersections

Good morning,
To move the project forward, I recommend completing the warrant analysis for both "T" intersections and with capacity and delay impacts at the two signalized intersections based on the proposed development.
Let us know when we would expect the first draft of the study.
Thanks
Dbenash

Sent from my iPhone

On Jun 15, 2022, at 5:04 PM, Garcia, Rita <Rita.Garcia@kimley-horn.com> wrote:

Hi Doug-
To our knowledge, Okina has not yet returned to the office.
Lets plan on circling back/reevaluating early next week.
Thanks,
RG

<image004.jpg>

Rita Garcia | Project Manager
Kimley-Horn | 1100 W Town and Country Road, Suite 700, Orange, CA 92868
Direct: 714.786.6116 | Mobile: 714.345.7482 | Office: 714.939.1030
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---

From: Doug Benash <dbenash@infengr.com>
Sent: Wednesday, June 15, 2022 3:44 PM
To: Art Bashmakian <abashmakian@sagecrestplanning.com>; Fan, Jessie <Jessie.Fan@kimley-horn.com>; Planning <Planning@cityofartesia.us>
Cc: Jay Shih <jshih@infengr.com>; Garcia, Rita <Rita.Garcia@kimley-horn.com>; Chandrasekhar, Sowmya <Sowmya.Chandrasekhar@kimley-horn.com>
Subject: RE: Artesia Boulevard Corridor Specific Plan Amendment - Intersections

Some people who received this message don't often get email from dbenash@infengr.com. Learn why this is important

Good afternoon,

Kimley»Horn

TECHNICAL MEMORANDUM

To: Okina Dor, Community Development Manager, City of Artesia

From: Sowmya Chandrasekhar, PE, TE, PTOE, Transportation Manager
Rita Garcia, Project Manager

Copy: Mitch Gardner, G3 Urban

Date: July 15, 2022

Subject: Artesia Place Project (Artesia Boulevard Corridor Specific Plan Amendment)
Local Transportation Assessment – Scoping Agreement

INTRODUCTION

This document summarizes the scope of the Local Transportation Assessment (LTA) to be conducted by Kimley-Horn and Associates, Inc. ("Kimley-Horn") for the proposed Project.

PROJECT DESCRIPTION

The Project site consists of one approximately 3.3-acre parcel (APN 7035-016-064) located at 11709 Artesia Boulevard, in the City of Artesia (City). The Project site is generally bound by industrial uses to the north, Artesia Boulevard to the south, Alburtis Avenue to the east, and Flallon Avenue to the west.

The Project site is currently vacant. California Dairies, Inc., a dairy manufacturing plant previously occupied the Project site until it was demolished in 2022. The Project proposes a mixed-use development comprised of two portions- a commercial portion and a residential portion, connected by pedestrian walkways. The proposed development includes up to 8,650 square feet (SF) of commercial uses and 80 dwelling units (DU); **Attachment 1** illustrates the Conceptual Site Plan. The development would include the following components:

- One building with approximately 2,700 SF of commercial uses
- One mixed-use building with approximately 3,450 SF of commercial uses on the ground level with 4 carriage-type townhomes units above
- 8 shopkeeper units – commercial condominiums totaling 2,500 SF on the ground level with townhomes above
- 9 live/work townhome units
- 59 three-story townhome units

For the purpose of the LTA, it is anticipated that the 8,650 SF of commercial use would include 4,325 SF of retail and 4,325 SF of restaurant uses.

The Project proposes 216 vehicle parking spaces, as follows:

- Residential Uses, 180 parking spaces: two spaces per garage for a total of 160 spaces and 20 guest spaces.
- Commercial Uses, 36 parking spaces (i.e., for the livework/shopkeeper units and for the retail uses).

Additionally, 40 bicycle parking spaces are proposed.

The Project would also provide 20 offsite onstreet parking spaces (parallel) along Flallon Avenue and Alburtis Avenue. These offsite onstreet spaces are not proposed to meet the Project's parking demand, but are instead proposed as a community benefit.

Construction is anticipated to occur as three continuous phases, with the Project opening year in 2025, which is when the development would be fully operational.

The Project site is designated Gateway Community Commercial and is zoned Artesia Boulevard Corridor Specific Plan. Hence, the Project requires a Zoning Code Text Amendment (Artesia Boulevard Corridor Specific Plan Amendment) to allow the proposed mixed-use development with residential uses. The requested approvals also include a Design Review and Vesting Tentative Tact Map.

STUDY AREA

Based on review of the Project area, site, and access points, the following four study area intersections were identified for analysis of weekday peak-hour operations:

- Roseton Avenue and Artesia Boulevard – Signalized
- Pioneer Boulevard & Artesia Boulevard – Signalized
- Flallon Avenue & Artesia Boulevard – Unsignalized
- Alburtis Avenue & Artesia Boulevard – Unsignalized

It is noted that the two signalized intersections listed above were included as part of the Mobility and Circulation analysis for the Artesia Boulevard Corridor Specific Plan (2011). The two unsignalized intersections are minor road stop-controlled intersections. **Figure 1** illustrates the study area and Project site location in its regional setting. All study intersections are within the City of Artesia.

Peak periods (7 to 9 AM and 4 to 6 PM) turning movement counts were collected at the four study area intersections in June 2022. Twenty-four-hour bidirectional traffic volumes were also collected at each approach to the two unsignalized study intersections – at Flallon Avenue and Alburtis Avenue.

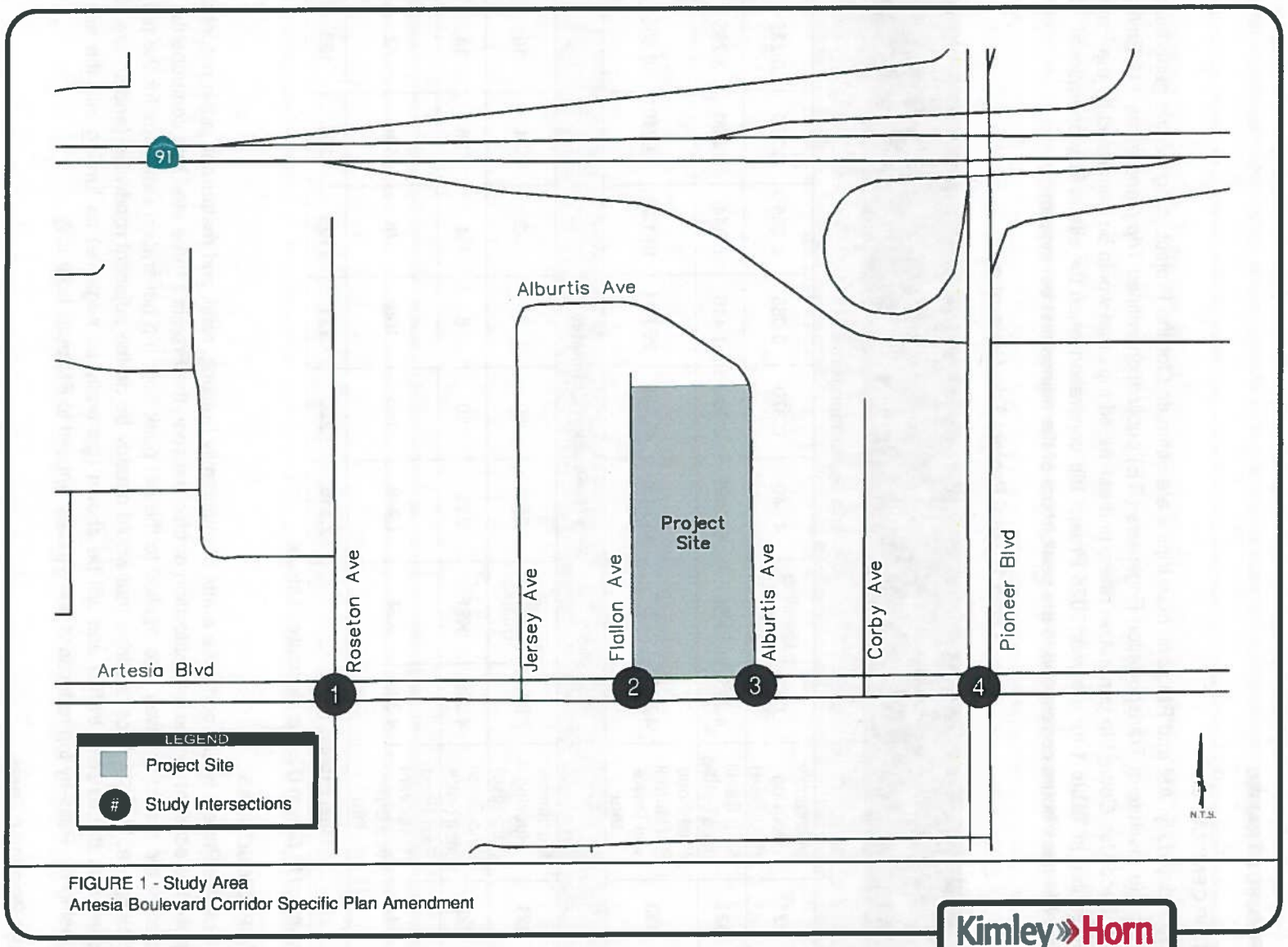


FIGURE 1 - Study Area
Artesia Boulevard Corridor Specific Plan Amendment

Kimley»Horn

PROJECT TRAFFIC

TRIP GENERATION

Weekday daily, AM and PM peak hour trips were estimated for the Project using the trip generation rates from the Institute of Transportation Engineers (ITE) publication entitled *Trip Generation*, 11th Edition. The ITE Land Use Code, trip generation rates, and estimated trips that would be generated by the Project are presented in **Table 1** for the year 2025 Project trip generation when the site is fully operational. The AM and PM peak hours correspond to the peak hours of the adjacent street system.

Table 1: Total Project Trip Generation

ITE Code	Land Use	Size	Units	Daily Trips	AM Peak			PM Peak		
					Total	In	Out	Total	In	Out
Trip Generation Rates										
221	Multifamily Housing (Mid-Rise)	80	Dwelling Unit(s)	4.540	0.370	0.085	0.285	0.390	0.238	0.152
822	Strip Retail Plaza (<40k)	4.325	KSF	54.450	2.360	1.416	0.944	6.590	3.295	3.295
933	Fast-Food Restaurant w/o Drive-thru	4.325	KSF	450.490	43.180	25.044	18.136	33.210	16.605	16.605
Trip Generation Estimates										
221	Multifamily Housing (Mid-Rise)	80	Dwelling Unit(s)	363	30	7	23	31	19	12
822	Strip Retail Plaza (<40k)	4.325	KSF	235	10	6	4	28	14	14
933	Fast-Food Restaurant w/o Drive-thru	4.325	KSF	1,948	186	108	78	144	72	72
Total Project Trips				**2,546**	**226**	**121**	**105**	**203**	**105**	**98**

Source: 11th Edition ITE Trip Generation Manual.

TRIP REDUCTIONS

Since the Project would comprise a mix of multifamily housing, retail and restaurant, a trip reduction was applied to account for the internalization of trips between the Project's three land use components. Retail pass-by trip reductions was also applied to the net peak hour trip generation estimates for the proposed retail space. Pass-by trips are trips that would already be on the adjacent roadways (and so are already counted in the existing traffic) and will be shown (generally as negative) as turning into the site while passing-by. Pass-by trip reductions are typically applied to PM peak hour only.

NET PROJECT TRIPS

After applying the appropriate trip reductions to the ITE trip rates, the net Project trips are tabulated in **Table 2**.

Table 2: Net Project Trips

ITE Code	Land Use	Size	Units	Daily Trips	AM Peak			PM Peak		
					Total	In	Out	Total	In	Out
221	Multifamily Housing (Mid-Rise)	80	Dwelling Unit(s)	353	30	7	23	21	13	8
822	Strip Retail Plaza (<40k)	4.325	KSF	221	10	6	4	14	7	7
933	Fast-Food Restaurant w/o Drive-thru	4.325	KSF	1,900	186	108	78	96	48	48
Net Project Trips				**2,474**	**226**	**121**	**105**	**131**	**68**	**63**

TRIP DISTRIBUTION

Trip distribution assumptions for the Project trips were developed based on the existing roadway system and land uses in the Project vicinity. **Figure 2** shows the Project area, study intersections, and trip distribution estimates.

SIGNAL WARRANT ANALYSIS

The Project is proposed to have four driveways each along Flallon Avenue and Alburtis Avenue. Based on the Conceptual Site Plan and location of parking spaces, it is anticipated that Project trip distribution on Flallon Avenue and Alburtis Avenue would be nearly equal.

Flallon Avenue currently terminates approximately 675 feet north of its intersection with Artesia Boulevard. Alburtis Avenue loops north of Artesia Boulevard to intersect with Jersey Avenue, providing access to multiple industrial land uses. Based on 24-hour traffic counts collected on June 6, 2022, the daily traffic volumes on Flallon Avenue and Alburtis Avenue are 420 and 518, respectively. Based on City input,[1] signal warrant analysis will be conducted for the intersection of Alburtis Avenue and Artesia Boulevard.

[1] Discussed on July 12, 2022.

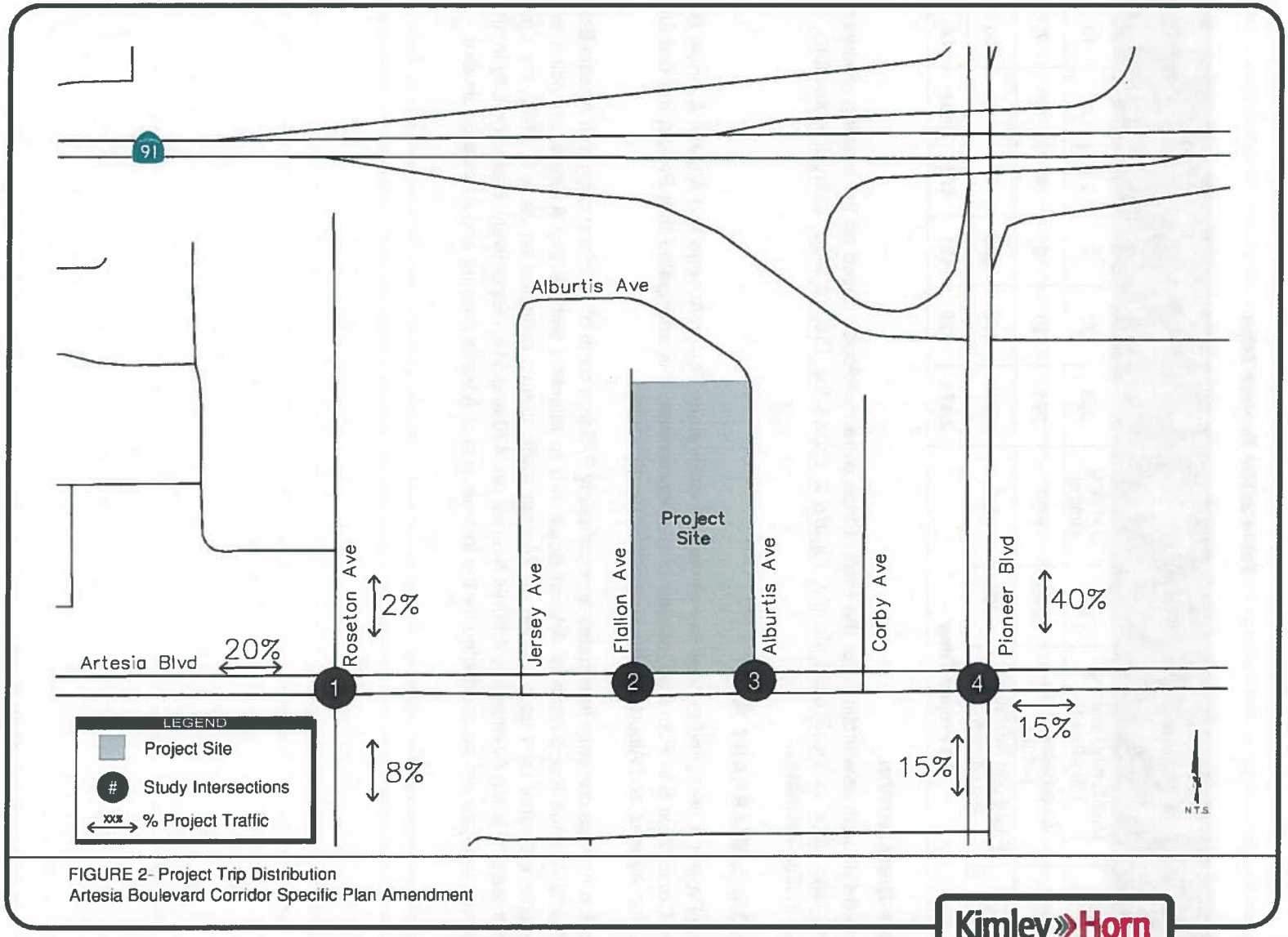


FIGURE 2- Project Trip Distribution
Artesia Boulevard Corridor Specific Plan Amendment

APPENDIX B

SISNAL TIMING AND TRAFFIC DATA COLLECTION

City of Artesia

INTERSECTION: Artesia / Roseton

QuicNet System Parameters

Group Assignment:
Field Master Assignment:
System Reference Number:
Commications Channel:
Drop Address:
Area Number:
Area Address:

N/S Street Name:
E/W Street Name:

Last *QuicNet* Database Change:

Notes:

Field Change Record

Change	By	Date	Change	By	Date

Excl Ped Assignment	
Exclusive Walk	
Exclusive FDW	
All Red Clear	

Exclusive Ped Phase

Note: Set the Exclusive Ped Outputs on the "Outputs / General" page

Walk Output	
Don't Walk Output	

	Phase							
	1	2	3	4	5	6	7	8
Basic Phase Timing								
Min Green		10		4.0		10		
Extension		4.0		3.0		2.0		
Max		30		10		30		
Max 2		30		10		30		
Cond Serve Check								
Clear								
Yellow Change		4.5		4.0		4.5		
Red Clear		2.0		2.0		2.0		
Pedestrian Timing								
Walk		10		10				
Ped Clear - FDW		10		20				
Adv / Delay Walk								
PE Min Ped FDW								
Volume Density								
Type 3 Disconnect								
Added per Vehicle								
Max Added Initial								
Min Gap		2.0		3.0		2.0		
Max Gap		5.0		3.0		2.0		
Reduce Every		1.0						

Phase Timing - Bank 1

	Phase							
	1	2	3	4	5	6	7	8
Alternate Walk								
Alternate Ped Clear								
Alternate Minimum								
Alternate Extension								

Alternate Timing - Bank 1

Red Lock	
Yellow Lock	2.6
Simultaneous Gap	
Rest In Walk	
Advance Walk	
Flashing Walk	
Max Extension	

Red Rest	
Dual Entry	
Sequential Timing	
Inhibit Ped Reservice	
Semi-Actuated	
Guaranteed Passage	
Conditional Service	

Phase Functions - Page 1

Minimum Recall	
Ped Recall	
Maximum Recall	
Green Flash	
Overlap Green Flash	

Soft Recall	
External Recall	
Manual Control Calls	
Fast Green Flash	
Fast Overlap G. Flash	

Phase Functions - Page 2

		Phase							
		1	2	3	4	5	6	7	8
Basic Phase Timing	Min Green								
	Extension								
	Max								
	Max 2								
	Cond Serve Check								
Clear	Yellow Change								
	Red Clear								
Pedestrian Timing	Walk								
	Ped Clear - FDW								
	Adv / Delay Walk								
	PE Min Ped FDW								
Volume Density	Type 3 Disconnect								
	Added per Vehicle								
	Max Added Initial								
	Min Gap								
	Max Gap								
	Reduce Every								

Phase Timing - Bank 2

		Phase							
		1	2	3	4	5	6	7	8
Basic Phase Timing	Min Green								
	Extension								
	Max								
	Max 2								
	Cond Serve Check								
Clear	Yellow Change								
	Red Clear								
Pedestrian Timing	Walk								
	Ped Clear - FDW								
	Adv / Delay Walk								
	PE Min Ped FDW								
Volume Density	Type 3 Disconnect								
	Added per Vehicle								
	Max Added Initial								
	Min Gap								
	Max Gap								
	Reduce Every								

Phase Timing - Bank 3

	Phase							
	1	2	3	4	5	6	7	8
Alternate Walk								
Alternate Ped Clear								
Alternate Minimum								
Alternate Extension								

Alternate Timing - Bank 2

	Phase							
	1	2	3	4	5	6	7	8
Alternate Walk								
Alternate Ped Clear								
Alternate Minimum								
Alternate Extension								

Alternate Timing - Bank 3

Note: Set the Limited Service Interval on the "Utilities / Misc" page

Clear Phases	
Delay	
Clear Time	

Railroad - 1

Clear Phases	
Limited Service Phases	
Delay	
Clear Time	

Railroad - 2

Railroad Preempt Parameters

	Delay	Clear	Clear Phases
EV - A		1	2, 5, 6
EV - B		4	4, 7
EV - C		4	6, 1
EV - D		4	3, 8

Emergency Vehicle Preempt

SE - 1	
SE - 2	
EV - A	
EV - B	
EV - C	
EV - D	

Preempt Priority

Step	Time	Clear	Ped Call	Hold	Advance	Force Off	Vehicle Call	Permit	Ped Omit	Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Special Event Sequence - 1

Step	Time	Clear	Ped Call	Hold	Advance	Force Off	Vehicle Call	Permit	Ped Omit	Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Special Event Sequence - 2

Transition Type	
Coord Extra Functions	
Phase 1 - Minimum	
Phase 2 - Minimum	
Phase 3 - Minimum	
Phase 4 - Minimum	
Phase 5 - Minimum	
Phase 6 - Minimum	
Phase 7 - Minimum	
Phase 8 - Minimum	

Coordination - General

Note: The *Ring-Barrier Sum* of these Minimums will be the Minimum Cycle Length During Transition

Transition Type
- 0.X = Shortway
- 1.X = Lengthen
- 2.X = Shorten
- X.1 thru X.4 = Number of Cycles to get "In Step"

Coord Extra
- 1 = Programmed Walk Time for Sync Phases
- 2 = Always Terminate Sync Phase Peds

	Coordination Plan								
	1	2	3	4	5	6	7	8	9
Cycle									
Offset - 1									
Offset - 2									
Offset - 3									
Zone Offset									
Ring Offset									
Hold Release									
Ped Adjust									
Force Off - 1									
Force Off - 2									
Force Off - 3									
Force Off - 4									
Force Off - 5									
Force Off - 6									
Force Off - 7									
Force Off - 8									

Coordination - Cycle, Offsets, & Force Offs

	Coordination Plan								
	1	2	3	4	5	6	7	8	9
Perm 1 - Begin									
Perm 1 - End									
Perm 1 - Veh Phases									
Perm 1 - Ped Phases									
Perm 2 - Begin									
Perm 2 - End									
Perm 2 - Veh Phases									
Perm 2 - Ped Phases									
Perm 3 - Begin									
Perm 3 - End									
Perm 3 - Veh Phases									
Perm 3 - Ped Phases									
Max Inhibit Phases									
Max Recall Phases									
Sync Phases									
Lag Phases									
Pre-Timed Phases									

Coordination - Permissives & Phase Sequence

Overlaps

	Overlap Number							
	1	2	3	4	5	6	7	8
Load Switch Number								
Vehicle Set 1								
Vehicle Set 2								
Vehicle Set 3								
Negative Vehicle								
Negative Ped								
Green Omit								
Green Clear Omit								
Green Clearance								
Yellow Change								
Red Clearance								

AND Gates

	AND 1	AND 2	AND 3	AND 4
Input - A				
Input - B				
Output				

NAND Gates

	NAND 1	NAND 2	NAND 3	NAND 4
Input - A				
Input - B				
Output				

2 Input - OR Gates

	OR 1	OR 2	OR 3	OR 4	OR 5	OR 6
Input - A						
Input - B						
Output						

4 Input - OR Gates

	OR 7	OR 8
Input - A		
Input - B		
Input - C		
Input - D		
Output		

NOT Gates (Inverters)

	NOT 1	NOT 2	NOT 3	NOT 4
Input				
Output				

DELAY Gates

	DELAY 1	DELAY 2	DELAY 3	DELAY 4	DELAY 5	DELAY 6
Input						
Delay Time						
Output						

Det. #	C-1 Pin #	Delay	Carry-over	Phase Assignmrnts	Detector Attributes	Detector Set Assignments
1	39			2	4,5,7	1,2,3 8
2	40			6	4,5,7	1,2,3 8
3	41	10		4	4,5,7	1,2,3 8
4	42			8	4,5,7	1,2,3 8
5	43			2	4,5,7	1,2,3 8
6	44			6	4,5,7	1,2,3 8
7	45	10		4	4,5,7	1,2,3 8
8	46			8	4,5,7	1,2,3 8
9	47			2	6,7	1,2,3 8
10	48			6	6,7	1,2,3 8
11	49			4	6,7	1,2,3 8
12	50			8	6,7	1,2,3 8
13	55			5	4,5,7	1,2,3 8
14	56			1	4,5,7	1,2,3 8
15	57			7	4,5,7	1,2,3 8
16	58			3	4,5,7	1,2,3 8
17	59			5	4,5,7	1,2,3 8
18	60			1	4,5,7	1,2,3 8
19	61			7	4,5,7	1,2,3 8
20	62			3	4,5,7	1,2,3 8
21	63			2	4,5,7	1,2,3 8
22	64			6	4,5,7	1,2,3 8
23	65			4	4,5,7	1,2,3 8
24	66			8	4,5,7	1,2,3 8
25	67			2	2	1,2,3 8
26	68			6	2	1,2,3 8
27	69			4	2	1,2,3 8
28	70			8	2	1,2,3 8
29	76			2	4,5,7	1,2,3 8
30	77			6	4,5,7	1,2,3 8
31	78			4	4,5,7	1,2,3 8
32	79			8	4,5,7	1,2,3 8

Detector Assignments

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Detector Assignments
1 = Detector Set 1
2 = Detector Set 2
3 = Detector Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	C-1 Pin #
Flash Sense	81
External Permit - 1	
External Permit - 2	
Exclusive Ped Omit	
Max. Term Inhibit	
Max. 2	
External Lag Phases	
External Max. Recall	
Stop Time	82
Manual Control Enable	
Manual Cont. Advance	
External Min. Recall	

General Inputs

	C-1 Pin #
Plan 1	
Plan 2	
Plan 3	
Plan 4	
Plan 5	
Plan 6	
Plan 7	
Plan 8	
Plan 9	
Free	
Flash	

Coordination Plan Inputs

	C-1 Pin #
Railroad - 1	51
Railroad - 2	52
Special Event - 1	
Special Event - 2	
Gate Down	
EV - A	71
EV - B	72
EV - C	73
EV - D	74

Preempt Inputs

	C-1 Pin #
Phase Bank - 2	
Phase Bank - 3	
Detector Set - 2	
Detector Set - 3	
Overlap Vehicle Set - 2	
Overlap Vehicle Set - 3	
Interval Signal Plan - 2	
Interval Signal Plan - 3	
Interval Signal Plan - 4	

Bank, Set, & Plan Inputs

	C-1 Pin #
Door Ajar	
UPS Battery	
UPS Power	
Cabinet Temperature	

	C-1 Pin #
Alarm - 1	
Alarm - 2	
Alarm - 3	
Alarm - 4	

Alarm Inputs

	C-1 Pin #
Advance Warning - 1	
Advance Warning - 2	
Detector Failure	
Flasher - Alternating 1	
Flasher - Alternating 2	
Fast Flasher	
On Line	
Exclusive - Walk	
Exclusive - Don't Walk	

General Outputs

	C-1 Pin #
Output - 1	
Output - 2	
Output - 3	
Output - 4	
Output - 5	
Output - 6	
Output - 7	
Output - 8	

Time of Day Outputs

	C-1 Pin #
Plan - 1	
Plan - 2	
Plan - 3	
Plan - 4	
Plan - 5	
Plan - 6	
Plan - 7	
Plan - 8	
Plan - 9	
Free	
Flash	

Coordination Plan Out

	Ped Phase
Ped 2-P Loadswitch	
Ped 4-P Loadswitch	
Ped 6-P Loadswitch	
Ped 8-P Loadswitch	

Ped Loadswitch Assignment

	C-1 Pin #
Dial - 2	
Dial - 3	
Offset - 1	
Offset - 2	
Offset - 3	
Free	
Flash	

Seven Wire Outputs

	C-1 Pin #	
	On	Flash
Railroad - 1		
Railroad - 2		
Special Event - 1		
Special Event - 2		
Preempt Failure		
EV - A		
EV - B		
EV - C		
EV - D		
Any Preempt		

Preemption Outputs

	C-1 Pin #
Output - 1	
Output - 2	
Output - 3	
Output - 4	
Output - 5	
Output - 6	
Output - 7	
Output - 8	

Special Event Outputs

	C-1 Pin #
Output - 1	
Output - 2	
Output - 3	
Output - 4	
Output - 5	
Output - 6	
Output - 7	
Output - 8	

Special Function Output

	Phase Number							
	1	2	3	4	5	6	7	8
Red								
Yellow								
Green								
Walk								
Don't Walk								

Phase Output Redirection

	Overlap Number							
	1	2	3	4	5	6	7	8
Red								
Yellow								
Green								

Overlap Output Redirection

Event	Day of Week	Season	Hour	Minute	Plan	Offset
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Time Base Coordination Events

Event	Day of Week	Season	Hour	Minute	Funct.	Phase / Bits
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Time of Day Function Events

TOD Functions

0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Vehicle Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Vehicle Max Recall
10 = Soft Recall
11= Max Extension 2
12 = Conditional Service
13 = Lag Free Phases
14, Bit 1 = Local Override
14, Bit 4 = Disable Det Off Monitoring
15 = TOD Outputs

#	Holiday Type	Day	Month	Year
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Holiday Dates

Event	Holiday Type	Hour	Minute	Plan	Offset
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Holiday Time Base Coordination Events

Event	Holiday Type	Hour	Minute	Funct.	Phase / Bits
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Holiday Time of Day Function Events

Season #	Start Month	Start Day	End Month	End Day
1				
2				
3				
4				
5				
6				
7				
8				

Season Definitions

Red Start Time	5.0
Yellow Start Phases	
First Green Phases	2, 6
Startup Vehicle Calls	2 4 6
Startup Ped Calls	2 4

Startup

Max ON Time	
Max OFF Time	
Chatter	

Detector Check

	Sign 1	Sign 2
Phase Number		
Time Before Yellow		

Advance Warning Signs

Flash Entry Phases	
Flash Phases Yellow	
Flash Overlaps Yellow	
Flash Type	

Flash Setup

Exclusive Phases	
Protect / Permissive	
Disable Yellow Range	
Extra One	1, 3, 5
Lag Phases - Free	2, 4, 6, 8

Configuration

Permitted Phases	2 4 6
Restricted Phases	
Disable Overlap Range	
Extra Two	

Configuration

Keyboard Beep	
Backlight Timeout	
Spec Evnt 1 - Ltd Serv Interval	
Spec Evnt 2 - Ltd Serv Interval	
Red Revert	5.0

Miscellaneous

Spring Month (Begin)	
Spring Week (Begin)	
Fall Month (End)	
Fall Week (End)	

Daylight Savings Time

9) UTILITIES, 9) MISC

Manual Plan	0
Manual Offset	

Manual

Manual Plan
1 thru 9 = Coordination Plan 1 thru 9
14 = Free
15 = Flash

Extra One
1 =
2 =
3 = Auto Daylight Savings
4 = Solid FDW on EV
5 = Extended Status
6 = International Ped
7 =
8 =

Extra Two
1 =
2 =
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignor P/P on EV
6 =
7 =
8 =

Address	
Area Number	
Area Address	
IP Port	
IP Address	
Subnet Mask	
Gateway	

Ethernet Port Address

Flash Type
0 = All On - Off (12345678 - 0)
1 = Main - Side (1256 - 3478)
2 = Ping Pong (1234 - 5678)
3 = Ring Pairs (1638 - 5247)

	Port 1	Port 2	Port 3	Port 4
Address				
Area Number				
Area Address				
Comm Time Out				
CTS Delay				
RTS Hold				
Baud Rate				
Data Format				

Communications Parameters

City Of Artesia

INTERSECTION:

QuicNet System Parameters

Group Assignment:
Field Master Assignment:
System Reference Number:
Commications Channel:
Drop Address:
Area Number:
Area Address:

N/S Street Name: **Pioneer**
E/W Street Name: **Artesia**

Last *QuicNet* Database Change:

Notes: 1. REPLACE DAMAGED ACCESS MODULE, 5-17-2012.
~~*TEMP - PINS 58/62 TO CALL 93/7 ; 69 PS only~~

Field Change Record					
Change	By	Date	Change	By	Date

Excl Ped Assignment	
Exclusive Walk	
Exclusive FDW	
All Red Clear	

Note: Set the Exclusive Ped Outputs on the "Outputs / General" page

Walk Output	
Don't Walk Output	

Exclusive Ped Phase

		Phase 1	2	3	4	5	6	7	8
Basic Phase Timing	Min Green	4	4	4	6	4	4	4	6
	Extension	1.5	3.0	1.5	4.0	1.5	3.0	1.5	4.0
	Max	20	30	20	50	25	30	20	50
	Max 2								
	Cond Serve Check								
Clear	Yellow Change	4.0	4.5	4.0	4.5	4.0	4.5	4.0	4.0
	Red Clear	1.0	1.5	1.0	1.0	1.0	1.5	1.0	1.0
Pedestrian Timing	Walk		7		7		7		7
	Ped Clear - FDW		19		19		19		19
	Adv / Delay Walk								
	PE Min Ped FDW								
Volume Density	Type 3 Disconnect		20		30		20		30
	Added per Vehicle								
	Max Added Initial								
	Min Gap	1.5	3.0	1.5	4.0	1.5	3.0	1.5	4.0
	Max Gap	1.5	3.0	1.5	4.0	1.5	3.0	1.5	4.0
	Reduce Every								

Phase Timing - Bank 1

	Phase 1	2	3	4	5	6	7	8
Alternate Walk								
Alternate Ped Clear								
Alternate Minimum								
Alternate Extension								

Alternate Timing - Bank 1

Red Lock		Red Rest	
Yellow Lock		Dual Entry	
Simultaneous Gap		Sequential Timing	
Rest In Walk		Inhibit Ped Reservice	
Advance Walk		Semi-Actuated	
Flashing Walk		Guaranteed Passage	
Max Extension		Conditional Service	

Phase Functions - Page 1

Minimum Recall	4,8	Soft Recall	
Ped Recall		External Recall	
Maximum Recall		Manual Control Calls	
Green Flash		Fast Green Flash	
Overlap Green Flash		Fast Overlap G. Flash	

Phase Functions - Page 2

INTERSECTION:

		Phase							
		1	2	3	4	5	6	7	8
Basic Phase Timing	Min Green								
	Extension								
	Max								
	Max 2								
	Cond Serve Check								
Clear	Yellow Change								
	Red Clear								
Pedestrian Timing	Walk								
	Ped Clear - FDW								
	Adv / Delay Walk								
	PE Min Ped FDW								
Volume Density	Type 3 Disconnect								
	Added per Vehicle								
	Max Added Initial								
	Min Gap								
	Max Gap								
	Reduce Every								

Phase Timing - Bank 2

	Phase							
	1	2	3	4	5	6	7	8
Alternate Walk								
Alternate Ped Clear								
Alternate Minimum								
Alternate Extension								

Alternate Timing - Bank 2

		Phase							
		1	2	3	4	5	6	7	8
Basic Phase Timing	Min Green								
	Extension								
	Max								
	Max 2								
	Cond Serve Check								
Clear	Yellow Change								
	Red Clear								
Pedestrian Timing	Walk								
	Ped Clear - FDW								
	Adv / Delay Walk								
	PE Min Ped FDW								
Volume Density	Type 3 Disconnect								
	Added per Vehicle								
	Max Added Initial								
	Min Gap								
	Max Gap								
	Reduce Every								

Phase Timing - Bank 3

	Phase							
	1	2	3	4	5	6	7	8
Alternate Walk								
Alternate Ped Clear								
Alternate Minimum								
Alternate Extension								

Alternate Timing - Bank 3

6-Miscellaneous Pre-empt
Max EV Pre-empt 60

Note: Set the Limited Service Interval on the "Utilities / Misc" page

Clear Phases	
Delay	
Clear Time	

Railroad - 1

Clear Phases	
Limited Service Phases	
Delay	
Clear Time	

Railroad - 2

Railroad Preempt Parameters

Step	Time	Clear	Ped Call	Hold	Advance	Force Off	Vehicle Call	Permit	Ped Omit	Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Special Event Sequence - 1

	Delay	Clear	Clear Phases
EV - A		5 2	2,5
EV - B		5 2	4,7
EV - C		5 2	1,6
EV - D		5 2	3,8

Emergency Vehicle Preempt

Step	Time	Clear	Ped Call	Hold	Advance	Force Off	Vehicle Call	Permit	Ped Omit	Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Special Event Sequence - 2

SE - 1	1
SE - 2	1
EV - A	0
EV - B	0
EV - C	0
EV - D	0

Preempt Priority

Transition Type	0.3
Coord Extra Functions	
Phase 1 - Minimum	15
Phase 2 - Minimum	15
Phase 3 - Minimum	15
Phase 4 - Minimum	15
Phase 5 - Minimum	15
Phase 6 - Minimum	15
Phase 7 - Minimum	15
Phase 8 - Minimum	15

Note: The *Ring-Barrier Sum* of these Minimums will be the Minimum Cycle Length During Transition

Coordination - General

Transition Type
- 0.X = Shortway
- 1.X = Lengthen
- 2.X = Shorten
- X.1 thru X.4 = Number of Cycles to get "In Step"

Coord Extra
- 1 = Programmed Walk Time for Sync Phases
- 2 = Always Terminate Sync Phase Peds

	Coordination Plan								
	1	2	3	4	5	6	7	8	9
Cycle									
Offset - 1									
Offset - 2									
Offset - 3									
Zone Offset									
Ring Offset									
Hold Release									
Ped Adjust									
Force Off - 1									
Force Off - 2									
Force Off - 3									
Force Off - 4									
Force Off - 5									
Force Off - 6									
Force Off - 7									
Force Off - 8									

Coordination - Cycle, Offsets, & Force Offs

	Coordination Plan								
	1	2	3	4	5	6	7	8	9
Perm 1 - Begin									
Perm 1 - End									
Perm 1 - Veh Phases									
Perm 1 - Ped Phases									
Perm 2 - Begin									
Perm 2 - End									
Perm 2 - Veh Phases									
Perm 2 - Ped Phases									
Perm 3 - Begin									
Perm 3 - End									
Perm 3 - Veh Phases									
Perm 3 - Ped Phases									
Max Inhibit Phases									
Max Recall Phases									
Sync Phases									
Lag Phases									
Pre-Timed Phases									

Coordination - Permissives & Phase Sequence

	Overlap Number							
	1	2	3	4	5	6	7	8
Load Switch Number								
Vehicle Set 1								
Vehicle Set 2								
Vehicle Set 3								
Negative Vehicle								
Negative Ped								
Green Omit								
Green Clear Omit								
Green Clearance								
Yellow Change								
Red Clearance								

Overlaps

	AND 1	AND 2	AND 3	AND 4
Input - A				
Input - B				
Output				

AND Gates

	NAND 1	NAND 2	NAND 3	NAND 4
Input - A				
Input - B				
Output				

NAND Gates

	OR 1	OR 2	OR 3	OR 4	OR 5	OR 6
Input - A						
Input - B						
Output						

2 Input - OR Gates

	OR 7	OR 8
Input - A		
Input - B		
Input - C		
Input - D		
Output		

4 Input - OR Gates

	NOT 1	NOT 2	NOT 3	NOT 4
Input				
Output				

NOT Gates (Inverters)

	DELAY 1	DELAY 2	DELAY 3	DELAY 4	DELAY 5	DELAY 6
Input						
Delay Time						
Output						

DELAY Gates

Det. #	C-1 Pin #	Delay	Carry-over	Phase Assignmrnts	Detector Attributes	Detector Set Assignments
1	39			2	4,5,7	1,2,3 8
2	40			6	4,5,7	1,2,3 8
3	41			4	4,5,7	1,2,3 8
4	42			8	4,5,7	1,2,3 8
5	43			2	4,5,7	1,2,3 8
6	44			6	4,5,7	1,2,3 8
7	45			4	4,5,7	1,2,3 8
8	46			8	4,5,7	1,2,3 8
9	47			2	6,7	1,2,3 8
10	48			6	6,7	1,2,3 8
11	49			4	6,7	1,2,3 8
12	50			8	6,7	1,2,3 8
13	55			5	4,5,7	1,2,3 8
14	56			1	4,5,7	1,2,3 8
15	57			7	4,5,7	1,2,3 8
16	58			3	4,5,7	1,2,3 8
17	59			5	4,5,7	1,2,3 8
18	60			1	4,5,7	1,2,3 8
19	61			7	4,5,7	1,2,3 8
20	62			3	4,5,7	1,2,3 8
21	63			2	4,5,7	1,2,3 8
22	64			6	4,5,7	1,2,3 8
23	65			4	4,5,7	1,2,3 8
24	66			8	4,5,7	1,2,3 8
25	67			2	2	1,2,3 8
26	68			6	2	1,2,3 8
27	69			4	2	1,2,3 8
28	70			8	2	1,2,3 8
29	76			2	4,5,7	1,2,3 8
30	77			6	4,5,7	1,2,3 8
31	78			4	4,5,7	1,2,3 8
32	79			8	4,5,7	1,2,3 8

Detector Assignments

5) Inputs

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Detector Assignments
1 = Detector Set 1
2 = Detector Set 2
3 = Detector Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	C-1 Pin #
Flash Sense	81
External Permit - 1	
External Permit - 2	
Exclusive Ped Omit	
Max. Term Inhibit	
Max. 2	
External Lag Phases	
External Max. Recall	
Stop Time	82
Manual Control Enable	
Manual Cont. Advance	
External Min. Recall	

General Inputs

	C-1 Pin #
Plan 1	
Plan 2	
Plan 3	
Plan 4	
Plan 5	
Plan 6	
Plan 7	
Plan 8	
Plan 9	
Free	
Flash	

Coordination Plan Inputs

	C-1 Pin #
Railroad - 1	51
Railroad - 2	52
Special Event - 1	
Special Event - 2	
Gate Down	
EV - A	71
EV - B	72
EV - C	73
EV - D	74

Preempt Inputs

5) Inputs

	C-1 Pin #
Phase Bank - 2	
Phase Bank - 3	
Detector Set - 2	
Detector Set - 3	
Overlap Vehicle Set - 2	
Overlap Vehicle Set - 3	
Interval Signal Plan - 2	
Interval Signal Plan - 3	
Interval Signal Plan - 4	

Bank, Set, & Plan Inputs

	C-1 Pin #
Door Ajar	
UPS Battery	
UPS Power	
Cabinet Temperature	

Alarm Inputs

	C-1 Pin #
Alarm - 1	
Alarm - 2	
Alarm - 3	
Alarm - 4	

	C-1 Pin #
Advance Warning - 1	
Advance Warning - 2	
Detector Failure	
Flasher - Alternating 1	
Flasher - Alternating 2	
Fast Flasher	
On Line	
Exclusive - Walk	
Exclusive - Don't Walk	

General Outputs

	C-1 Pin #
Output - 1	
Output - 2	
Output - 3	
Output - 4	
Output - 5	
Output - 6	
Output - 7	
Output - 8	

Time of Day Outputs

	C-1 Pin #
Plan - 1	
Plan - 2	
Plan - 3	
Plan - 4	
Plan - 5	
Plan - 6	
Plan - 7	
Plan - 8	
Plan - 9	
Free	
Flash	

Coordination Plan Out

	Ped Phase
Ped 2-P Loadswitch	2
Ped 4-P Loadswitch	4
Ped 6-P Loadswitch	6
Ped 8-P Loadswitch	8

Ped Loadswitch Assignment

	C-1 Pin #
Dial - 2	
Dial - 3	
Offset - 1	
Offset - 2	
Offset - 3	
Free	
Flash	

Seven Wire Outputs

	C-1 Pin #	
	On	Flash
Railroad - 1		
Railroad - 2		
Special Event - 1		
Special Event - 2		
Preempt Failure		
EV - A		
EV - B		
EV - C		
EV - D		
Any Preempt		

Preemption Outputs

	C-1 Pin #
Output - 1	
Output - 2	
Output - 3	
Output - 4	
Output - 5	
Output - 6	
Output - 7	
Output - 8	

Special Event Outputs

	C-1 Pin #
Output - 1	
Output - 2	
Output - 3	
Output - 4	
Output - 5	
Output - 6	
Output - 7	
Output - 8	

Special Function Output

	Phase Number							
	1	2	3	4	5	6	7	8
Red								
Yellow								
Green								
Walk								
Don't Walk								

Phase Output Redirection

	Overlap Number							
	1	2	3	4	5	6	7	8
Red								
Yellow								
Green								

Overlap Output Redirection

Event	Day of Week	Season	Hour	Minute	Plan	Offset
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Time Base Coordination Events

Event	Day of Week	Season	Hour	Minute	Funct.	Phase / Bits
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Time of Day Function Events

TOD Functions

0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Vehicle Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Vehicle Max Recall
10 = Soft Recall
11= Max Extension 2
12 = Conditional Service
13 = Lag Free Phases
14, Bit 1 = Local Override
14, Bit 4 = Disable Det Off Monitoring
15 = TOD Outputs

INTERSECTION:

#	Holiday Type	Day	Month	Year
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Holiday Dates

Event	Holiday Type	Hour	Minute	Plan	Offset
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Holiday Time Base Coordination Events

Event	Holiday Type	Hour	Minute	Funct.	Phase / Bits
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Holiday Time of Day Function Events

Season #	Start Month	Start Day	End Month	End Day
1				
2				
3				
4				
5				
6				
7				
8				

Season Definitions

Red Start Time	5.0
Yellow Start Phases	4,8
First Green Phases	2,6
Startup Vehicle Calls	12345678
Startup Ped Calls	2,4,6,8

Startup

Max ON Time	
Max OFF Time	
Chatter	

Detector Check

	Sign 1	Sign 2
Phase Number		
Time Before Yellow		

Advance Warning Signs

Flash Entry Phases	
Flash Phases Yellow	
Flash Overlaps Yellow	
Flash Type	

Flash Setup

Exclusive Phases	
Protect / Permissive	
Disable Yellow Range	
Extra One	1,3,5
Lag Phases - Free	2,4,6,8

Configuration

Permitted Phases	12345678
Restricted Phases	
Disable Overlap Range	
Extra Two	

Configuration

Keyboard Beep	
Backlight Timeout	
Spec Evnt 1 - Ltd Serv Interval	
Spec Evnt 2 - Ltd Serv Interval	
Red Revert	2.0

Miscellaneous

Spring Month (Begin)	3
Spring Week (Begin)	2
Fall Month (End)	11
Fall Week (End)	1

Daylight Savings Time

Manual Plan	14
Manual Offset	0

Manual

Manual Plan
1 thru 9 = Coordination Plan 1 thru 9
14 = Free
15 = Flash

Extra One
1 =
2 =
3 = Auto Daylight Savings
4 = Solid FDW on EV
5 = Extended Status
6 = International Ped
7 =
8 =

Extra Two
1 =
2 =
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignor P/P on EV
6 =
7 =
8 =

Flash Type
0 = All On - Off (12345678 - 0)
1 = Main - Side (1256 - 3478)
2 = Ping Pong (1234 - 5678)
3 = Ring Pairs (1638 - 5247)

Address	0
Area Number	1
Area Address	1
IP Port	3001
IP Address	192.168.2.114
Subnet Mask	255.255.255.5
Gateway	192.168.2.1

Ethernet Port Address

	Port 1	Port 2	Port 3	Port 4
Address	0			
Area Number	1			
Area Address	1			
Comm Time Out	5			
CTS Delay	0			
RTS Hold				
Baud Rate	38400			
Data Format	7			

Communications Parameters

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:				
Thu, Jun 9, 22	LOCATION:	Artesia	PROJECT #:	SC3504
	NORTH & SOUTH:	Flallon	LOCATION #:	1
	EAST & WEST:	Artesia	CONTROL:	STOP S

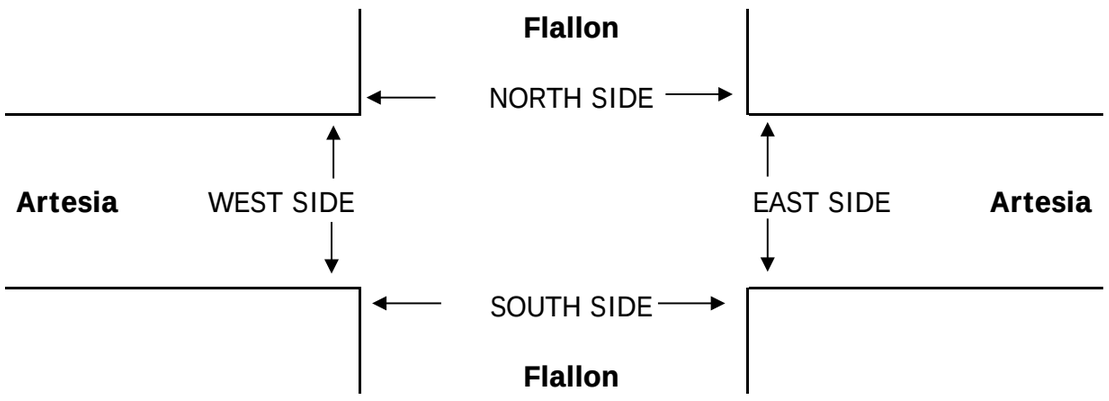
NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

☑ Add U-Turns to Left Turns

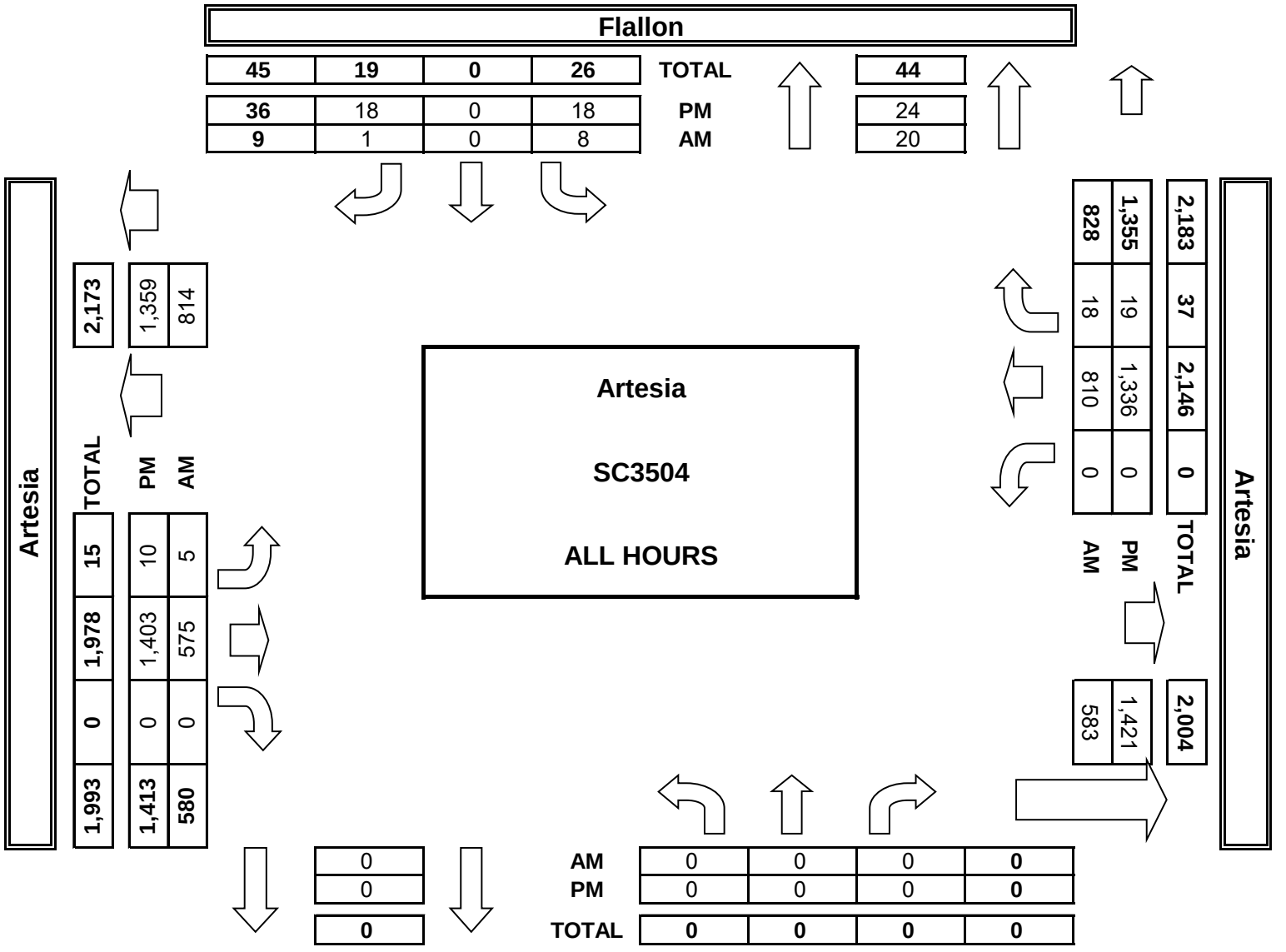
		NORTHBOUND Flallon			SOUTHBOUND Flallon			EASTBOUND Artesia			WESTBOUND Artesia				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	1	0	0	0	51	0	0	75	2	129	0	0	0	0	0
	7:15 AM	0	0	0	1	0	0	1	55	0	0	84	3	144	0	0	0	0	0
	7:30 AM	0	0	0	2	0	0	0	54	0	0	98	3	157	0	0	0	0	0
	7:45 AM	0	0	0	1	0	0	0	71	0	0	102	3	177	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	1	75	0	0	109	1	186	0	0	1	0	1
	8:15 AM	0	0	0	1	0	0	2	75	0	0	115	1	194	0	0	1	0	1
	8:30 AM	0	0	0	2	0	0	0	87	0	0	109	4	202	0	0	0	0	0
	8:45 AM	0	0	0	0	0	1	1	107	0	0	118	1	228	0	0	1	0	1
	VOLUMES	0	0	0	8	0	1	5	575	0	0	810	18	1,417	0	0	3	0	3
	APPROACH %	0%	0%	0%	89%	0%	11%	1%	99%	0%	0%	98%	2%						
	APP/DEPART	0	/	20	9	/	0	580	/	583	828	/	814	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	3	0	1	4	344	0	0	451	7	810					
	APPROACH %	0%	0%	0%	75%	0%	25%	1%	99%	0%	0%	98%	2%						
	PEAK HR FACTOR		0.000			0.500			0.806			0.962		0.888					
	APP/DEPART	0	/	8	4	/	0	348	/	347	458	/	455	0					
PM	4:00 PM	0	0	0	2	0	2	4	178	0	0	156	5	347	0	0	2	0	2
	4:15 PM	0	0	0	4	0	1	0	163	0	0	166	4	338	0	0	0	0	0
	4:30 PM	0	0	0	5	0	2	1	178	0	0	187	1	374	0	0	1	0	1
	4:45 PM	0	0	0	1	0	5	2	171	0	0	160	1	340	0	0	1	0	1
	5:00 PM	0	0	0	0	0	2	1	186	0	0	158	2	349	0	0	1	0	1
	5:15 PM	0	0	0	3	0	2	0	147	0	0	158	2	312	0	0	0	0	0
	5:30 PM	0	0	0	3	0	3	0	174	0	0	158	2	340	0	0	0	0	0
	5:45 PM	0	0	0	0	0	1	2	206	0	0	193	2	404	0	0	0	0	0
	VOLUMES	0	0	0	18	0	18	10	1,403	0	0	1,336	19	2,804	0	0	5	0	5
	APPROACH %	0%	0%	0%	50%	0%	50%	1%	99%	0%	0%	99%	1%						
	APP/DEPART	0	/	24	36	/	0	1,413	/	1,421	1,355	/	1,359	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	6	0	8	3	713	0	0	667	8	1,405					
	APPROACH %	0%	0%	0%	43%	0%	57%	0%	100%	0%	0%	99%	1%						
	PEAK HR FACTOR		0.000			0.583			0.861			0.865		0.869					
	APP/DEPART	0	/	10	14	/	0	716	/	719	675	/	676	0					

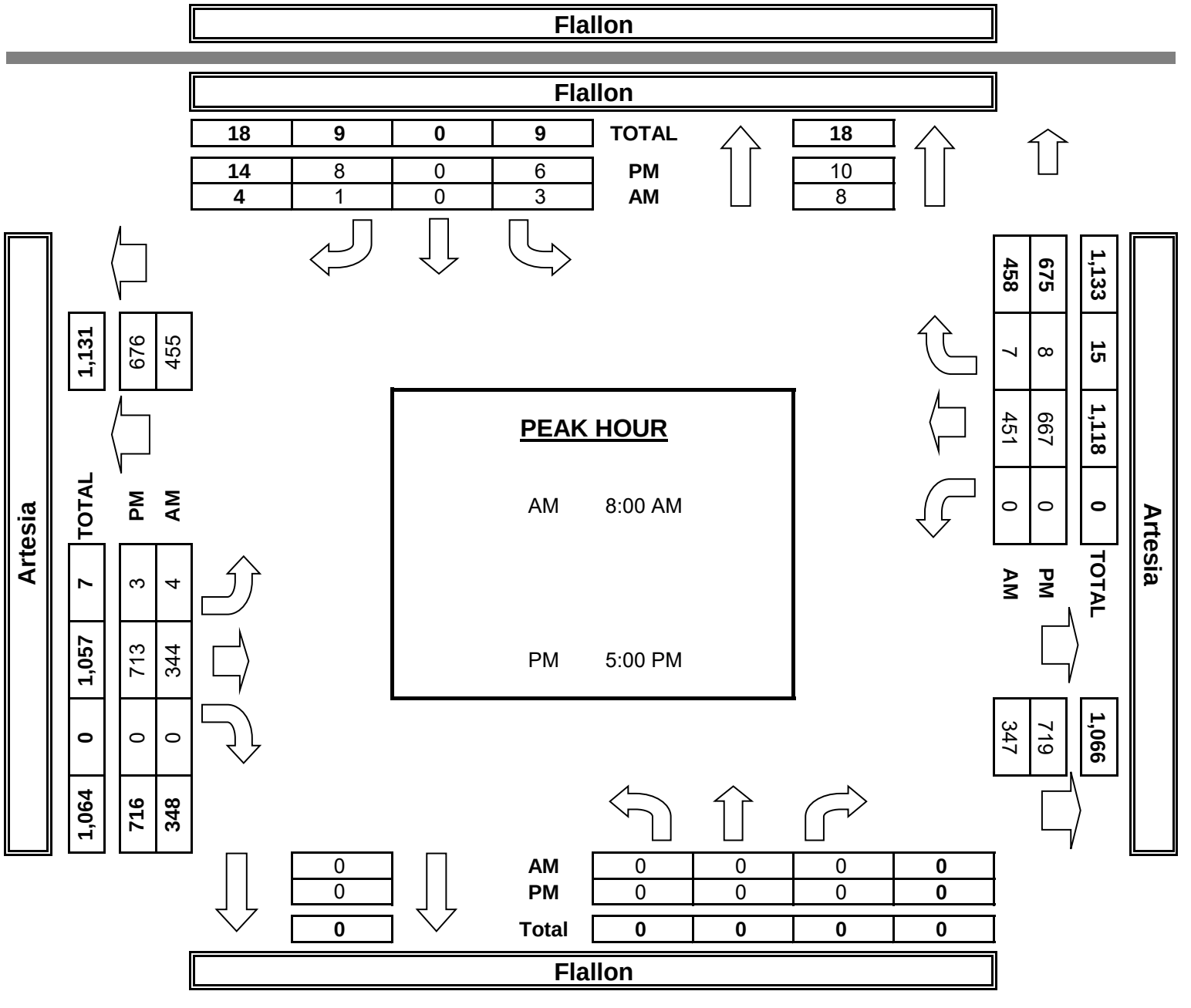


		PEDESTRIAN + BIKE CROSSINGS					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2	0	1	0	3	2	0	1	0	3	0	0	0	0	0
	7:15 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	8:00 AM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	8:15 AM	5	0	0	0	5	2	0	0	0	2	3	0	0	0	3
	8:30 AM	2	0	0	0	2	0	0	0	0	0	2	0	0	0	2
	8:45 AM	3	0	0	0	3	0	0	0	0	0	3	0	0	0	3
	TOTAL	15	0	1	0	16	6	0	1	0	7	9	0	0	0	9
	AM BEGIN PEAK HR	8:00 AM					2	0	0	0	2					
PM	4:00 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	4:15 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	4:30 PM	3	0	0	0	3	1	0	0	0	1	2	0	0	0	2
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	3	1	0	0	4	3	0	0	0	3	0	1	0	0	1
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	5	0	0	0	5	0	0	0	0	0	5	0	0	0	5
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	13	1	0	0	14	4	0	0	0	4	9	1	0	0	10
	PM BEGIN PEAK HR	5:00 PM					3	0	0	0	3					

AimTD LLC

T□RNING MOVEMENT CO□NTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Thu, Jun 9, 22

LOCATION: Artesia
NORTH & SOUTH: Alburtis
EAST & WEST: Artesia

PROJECT #: SC3504
LOCATION #: 2
CONTROL: STOP S

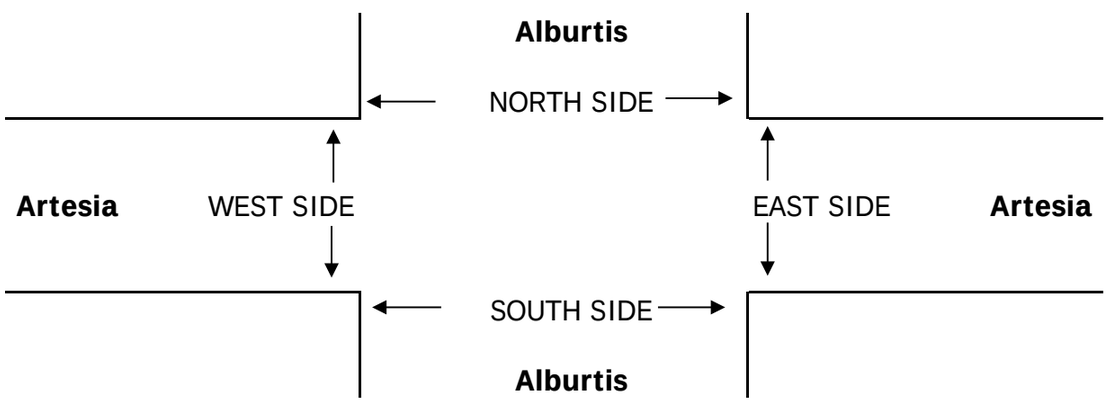
NOTES: Queue EB PM

AM
PM
MD
OTHER
OTHER

▲ N
◄ W E ►
S ▼

☐ Add U-Turns to Left Turns

		NORTHBOUND Alburtis			SOUTHBOUND Alburtis			EASTBOUND Artesia			WESTBOUND Artesia				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 1	ET 2	ER X	WL X	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	4	0	2	0	52	0	0	79	2	139	0	0	0	0	0
	7:15 AM	0	0	0	4	0	0	0	61	0	0	83	0	148	0	0	0	1	1
	7:30 AM	0	0	0	4	0	0	0	55	0	0	99	3	161	0	0	0	0	0
	7:45 AM	0	0	0	2	0	1	1	69	0	0	97	1	171	0	0	1	0	1
	8:00 AM	0	0	0	1	0	0	0	69	0	0	112	0	182	0	0	0	0	0
	8:15 AM	0	0	0	5	0	0	1	73	0	0	105	3	187	0	0	2	0	2
	8:30 AM	0	0	0	5	0	1	0	96	0	0	114	2	218	0	0	0	0	0
	8:45 AM	0	0	0	4	0	1	0	99	0	0	122	2	228	0	0	1	0	1
	VOLUMES	0	0	0	29	0	5	2	574	0	0	811	13	1,439	0	0	4	1	5
	APPROACH %	0%	0%	0%	85%	0%	15%	0%	99%	0%	0%	98%	2%						
	APP/DEPART	0	/	15	34	/	0	580	/	604	825	/	820	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	15	0	2	1	337	0	0	453	7	818					
	APPROACH %	0%	0%	0%	88%	0%	12%	0%	99%	0%	0%	98%	2%						
	PEAK HR FACTOR		0.000			0.708			0.853			0.927		0.893					
	APP/DEPART	0	/	8	17	/	0	341	/	352	460	/	458	0					
PM	4:00 PM	0	0	0	4	0	2	0	185	0	0	161	7	359	0	0	2	0	2
	4:15 PM	0	0	0	11	0	2	2	166	0	0	168	5	354	0	0	2	0	2
	4:30 PM	0	0	0	5	0	1	0	181	0	0	181	3	371	0	0	0	0	0
	4:45 PM	0	0	0	3	0	0	1	168	0	0	166	2	340	0	0	2	0	2
	5:00 PM	0	0	0	5	0	1	0	184	0	0	158	1	349	0	0	1	0	1
	5:15 PM	0	0	0	3	0	1	0	145	0	0	150	2	301	0	0	0	0	0
	5:30 PM	0	0	0	2	0	1	0	185	0	0	165	3	356	0	0	2	0	2
	5:45 PM	0	0	0	5	0	1	0	200	0	0	199	1	406	0	0	2	0	2
	VOLUMES	0	0	0	38	0	9	3	1,414	0	0	1,348	24	2,847	0	0	11	0	11
	APPROACH %	0%	0%	0%	81%	0%	19%	0%	99%	0%	0%	98%	2%						
	APP/DEPART	0	/	27	47	/	0	1,428	/	1,452	1,372	/	1,368	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	23	0	5	3	700	0	0	676	17	1,430					
	APPROACH %	0%	0%	0%	82%	0%	18%	0%	99%	0%	0%	98%	2%						
	PEAK HR FACTOR		0.000			0.538			0.948			0.942		0.964					
	APP/DEPART	0	/	20	28	/	0	709	/	723	693	/	687	0					



		PEDESTRIAN + BIKE CROSSINGS					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	7:15 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	8:00 AM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	8:15 AM	5	0	0	0	5	2	0	0	0	2	3	0	0	0	3
	8:30 AM	2	0	0	0	2	0	0	0	0	0	2	0	0	0	2
	8:45 AM	2	0	0	0	2	0	0	0	0	0	2	0	0	0	2
	TOTAL	13	0	0	0	13	5	0	0	0	5	8	0	0	0	8
	AM BEGIN PEAK HR	8:00 AM					2	0	0	0	2					
PM	4:00 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
	4:15 PM	2	0	0	0	2	0	0	0	0	0	2	0	0	0	2
	4:30 PM	3	0	0	0	3	1	0	0	0	1	2	0	0	0	2
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	2	1	0	0	3	1	0	0	0	1	1	1	0	0	2
	5:15 PM	2	1	0	0	3	2	0	0	0	2	0	1	0	0	1
	5:30 PM	5	1	0	0	6	0	0	0	0	0	5	1	0	0	6
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	15	3	0	0	18	4	0	0	0	4	11	3	0	0	14
	PM BEGIN PEAK HR	4:00 PM					1	0	0	0	1					

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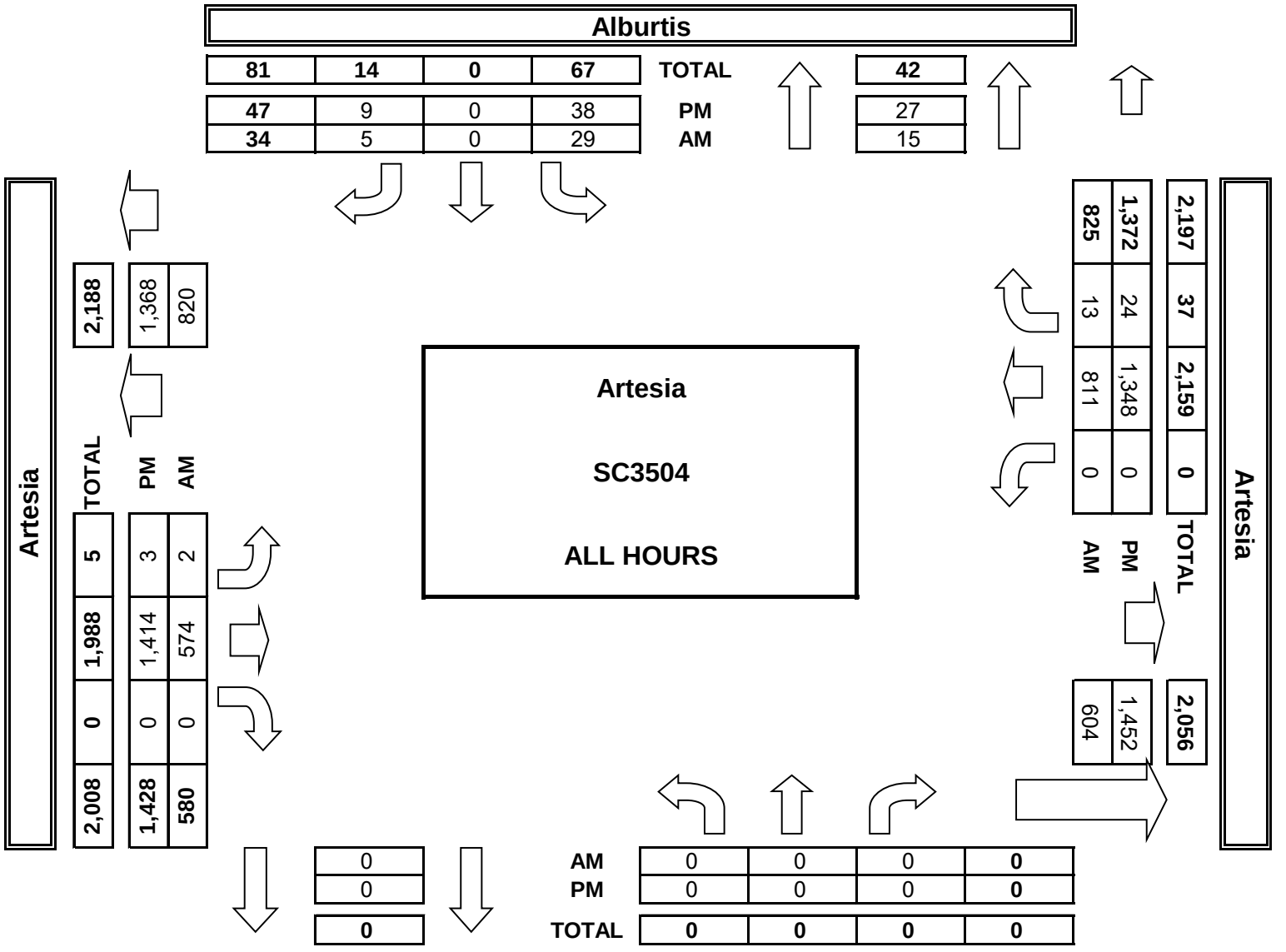
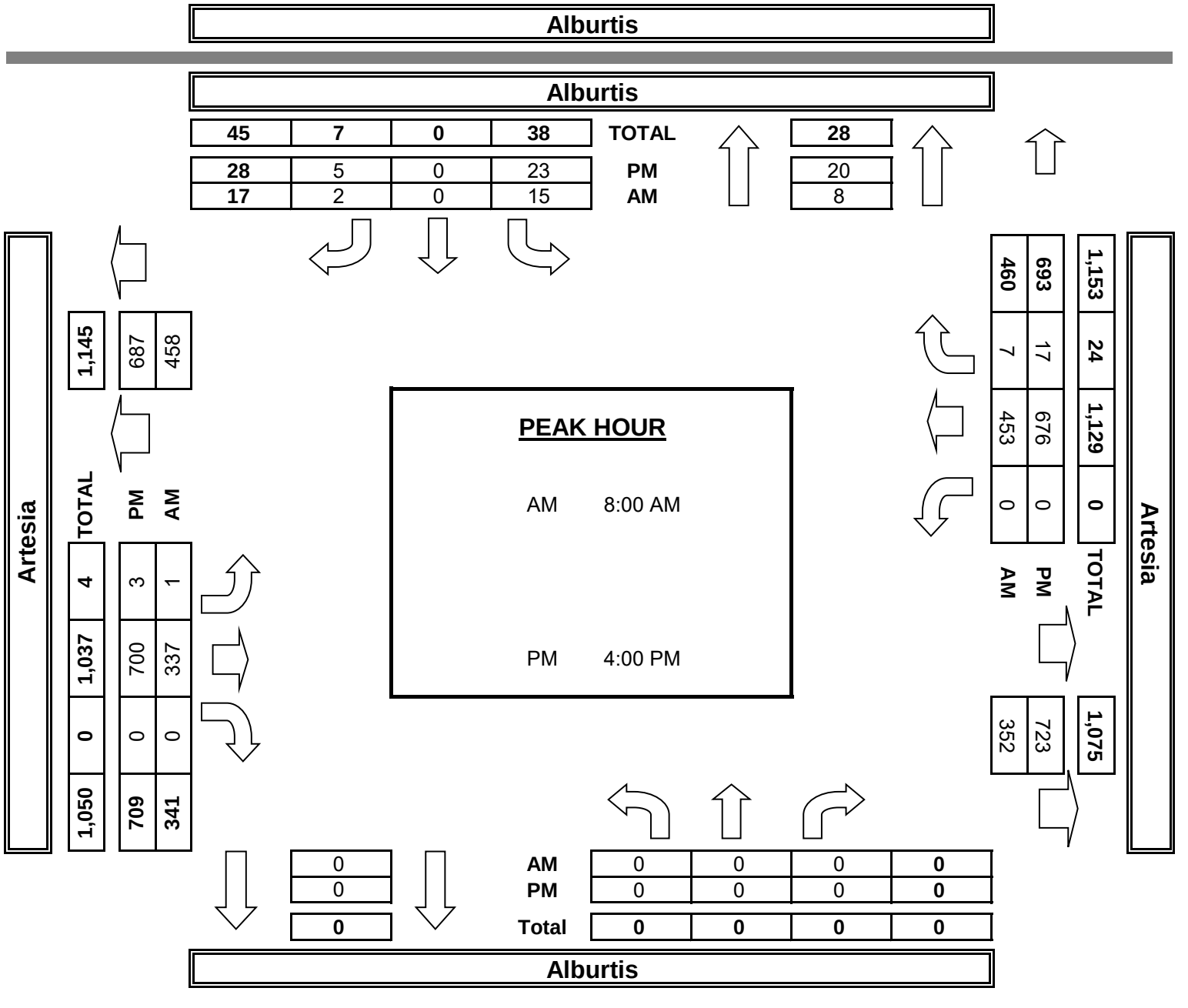




INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:				
Thu, Jun 9, 22	LOCATION:	Artesia	PROJECT #:	SC3504
	NORTH & SOUTH:	Roseton	LOCATION #:	3
	EAST & WEST:	Artesia	CONTROL:	SIGNAL

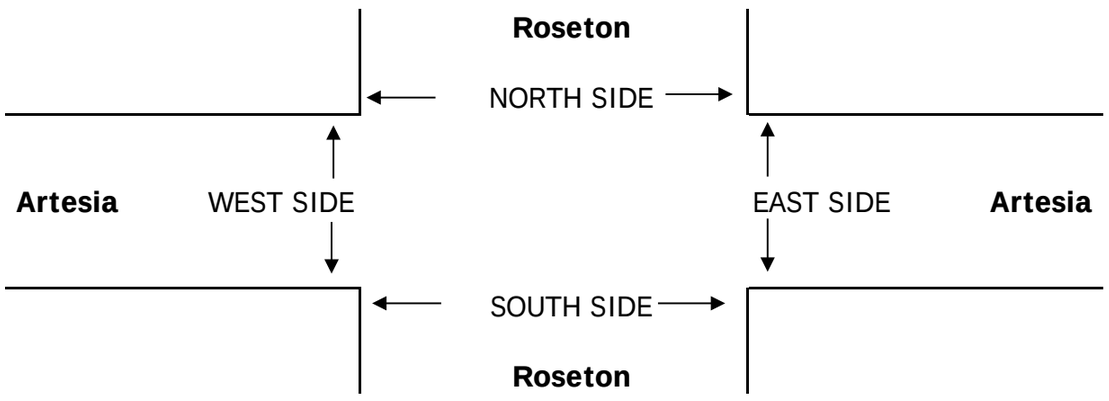
NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

☑ Add U-Turns to Left Turns

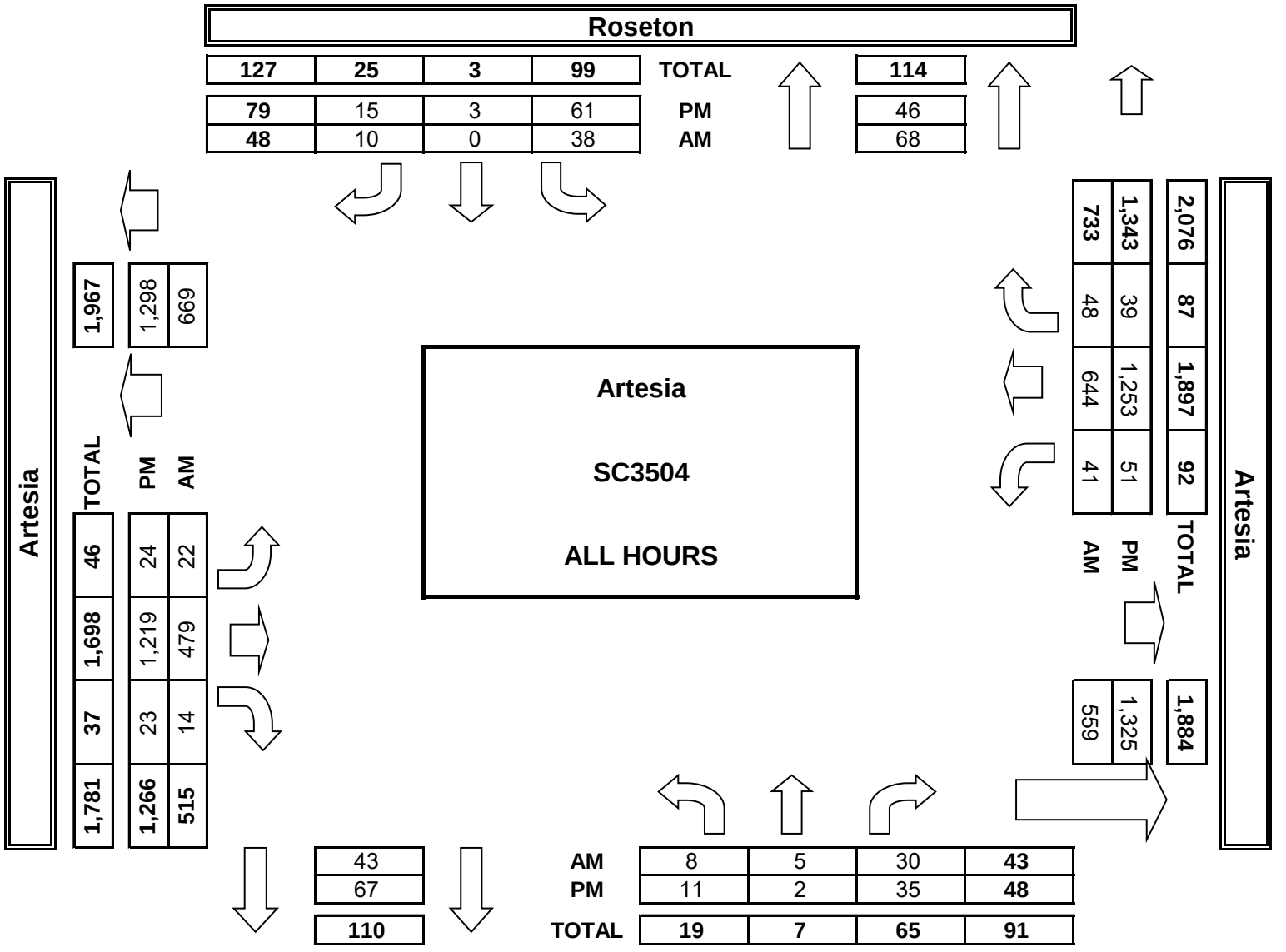
		NORTHBOUND Roseton			SOUTHBOUND Roseton			EASTBOUND Artesia			WESTBOUND Artesia				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	1	3	4	0	1	1	44	1	5	53	4	117	0	0	1	2	3
	7:15 AM	1	0	2	3	0	1	2	54	0	3	75	3	144	0	0	0	0	0
	7:30 AM	1	1	4	3	0	1	2	41	0	5	76	7	141	0	0	1	0	1
	7:45 AM	2	1	3	5	0	1	4	55	1	5	80	7	164	0	0	0	1	1
	8:00 AM	0	0	5	8	0	1	2	63	4	8	77	6	174	0	0	0	2	2
	8:15 AM	1	1	5	7	0	0	0	54	4	7	103	8	190	0	0	0	1	1
	8:30 AM	2	1	4	1	0	5	6	74	3	4	84	6	190	0	0	3	4	7
	8:45 AM	1	0	4	7	0	0	5	94	1	4	96	7	219	0	0	2	2	4
	VOLUMES	8	5	30	38	0	10	22	479	14	41	644	48	1,339	0	0	7	12	19
	APPROACH %	19%	12%	70%	79%	0%	21%	4%	93%	3%	6%	88%	7%						
	APP/DEPART	43	/	68	48	/	43	515	/	559	733	/	669	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	4	2	18	23	0	6	13	285	12	23	360	27	773					
	APPROACH %	17%	8%	75%	79%	0%	21%	4%	92%	4%	6%	88%	7%						
	PEAK HR FACTOR		0.857			0.806			0.775			0.869		0.882					
	APP/DEPART	24	/	37	29	/	26	310	/	335	410	/	375	0					
PM	4:00 PM	0	0	6	13	0	4	2	153	2	8	150	2	340	0	0	1	2	3
	4:15 PM	2	0	4	8	0	1	5	132	1	8	154	7	322	0	0	3	4	7
	4:30 PM	0	1	4	13	1	2	6	143	2	8	159	7	346	0	0	6	1	7
	4:45 PM	1	1	2	3	1	4	2	170	2	5	154	7	352	0	0	2	2	4
	5:00 PM	2	0	3	9	1	3	2	139	3	6	152	4	324	0	0	2	0	2
	5:15 PM	3	0	3	3	0	0	3	140	4	6	145	4	311	0	0	2	0	2
	5:30 PM	1	0	8	4	0	1	1	162	5	6	159	4	351	0	0	1	0	1
	5:45 PM	2	0	5	8	0	0	3	180	4	4	180	4	390	0	0	2	1	3
	VOLUMES	11	2	35	61	3	15	24	1,219	23	51	1,253	39	2,736	0	0	19	10	29
	APPROACH %	23%	4%	73%	77%	4%	19%	2%	96%	2%	4%	93%	3%						
	APP/DEPART	48	/	46	79	/	67	1,266	/	1,325	1,343	/	1,298	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	8	0	19	24	1	4	9	621	16	22	636	16	1,376					
	APPROACH %	30%	0%	70%	83%	3%	14%	1%	96%	2%	3%	94%	2%						
	PEAK HR FACTOR		0.750			0.558			0.864			0.896		0.882					
	APP/DEPART	27	/	18	29	/	38	646	/	665	674	/	655	0					

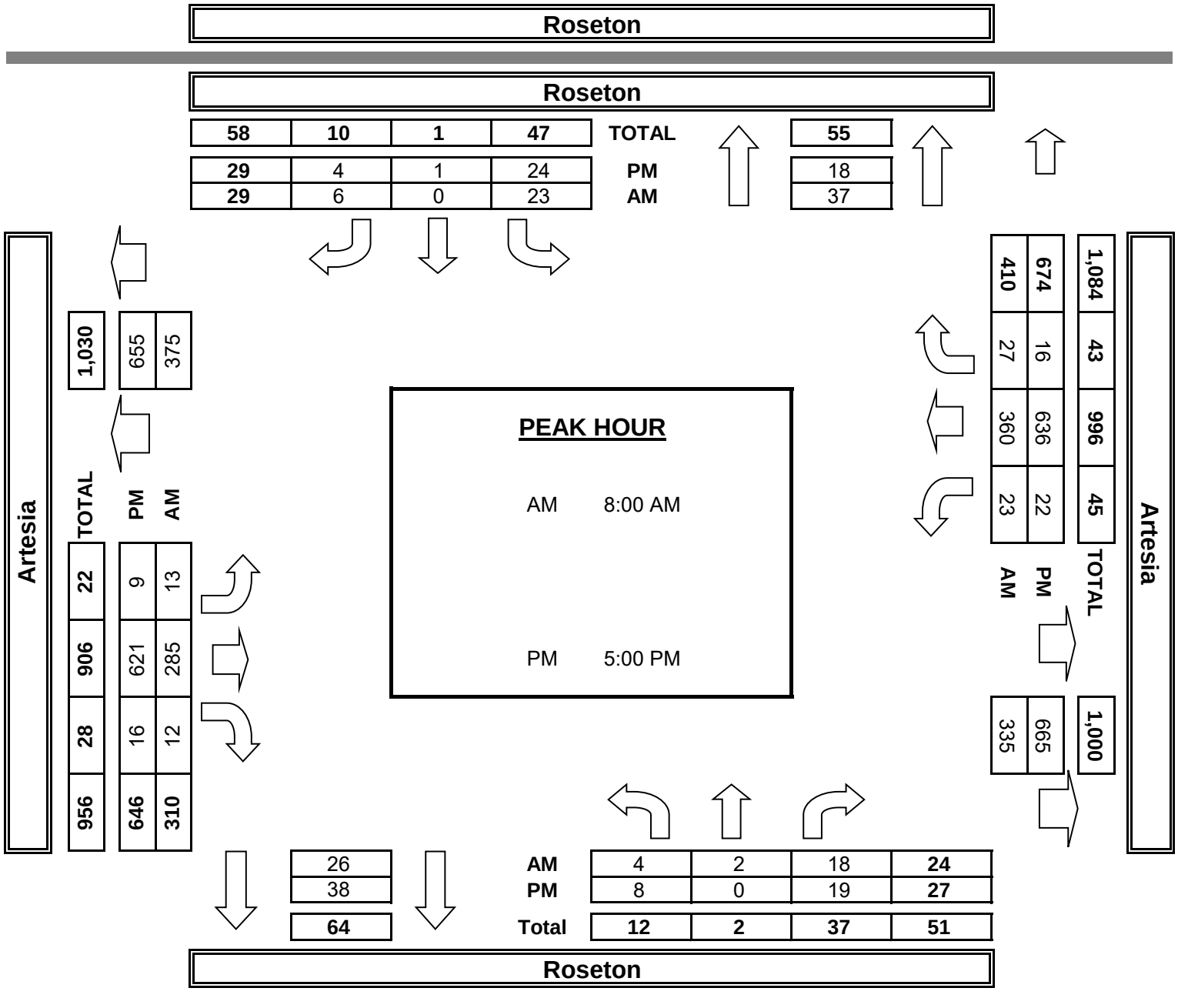


		PEDESTRIAN + BIKE CROSSINGS					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	7:15 AM	1	2	0	0	3	1	1	0	0	2	0	1	0	0	1
	7:30 AM	0	3	0	0	3	0	2	0	0	2	0	1	0	0	1
	7:45 AM	1	1	0	0	2	1	1	0	0	2	0	0	0	0	0
	8:00 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	8:15 AM	3	0	0	0	3	1	0	0	0	1	2	0	0	0	2
	8:30 AM	2	2	1	0	5	0	2	0	0	2	2	0	1	0	3
	8:45 AM	2	2	0	3	7	0	2	0	1	3	2	0	0	2	4
	TOTAL	9	12	1	3	25	3	10	0	1	14	6	2	1	2	11
	AM BEGIN PEAK HR	8:00 AM					1	5	0	1	7					
PM	4:00 PM	1	2	0	0	3	0	2	0	0	2	1	0	0	0	1
	4:15 PM	4	1	0	0	5	2	1	0	0	3	2	0	0	0	2
	4:30 PM	1	5	0	0	6	0	4	0	0	4	1	1	0	0	2
	4:45 PM	1	1	0	0	2	0	0	0	0	0	1	1	0	0	2
	5:00 PM	0	3	2	0	5	0	2	2	0	4	0	1	0	0	1
	5:15 PM	1	4	0	0	5	0	0	0	0	0	1	4	0	0	5
	5:30 PM	4	0	0	0	4	0	0	0	0	0	4	0	0	0	4
	5:45 PM	0	2	0	0	2	0	2	0	0	2	0	0	0	0	0
	TOTAL	12	18	2	0	32	2	11	2	0	15	10	7	0	0	17
	PM BEGIN PEAK HR	5:00 PM					0	4	2	0	6					

AimTD LLC

T□RNING MOVEMENT CO□NTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Thu, Jun 9, 22

LOCATION: Artesia
NORTH & SOUTH: Pioneer
EAST & WEST: Artesia

PROJECT #: SC3504
LOCATION #: 4
CONTROL: SIGNAL

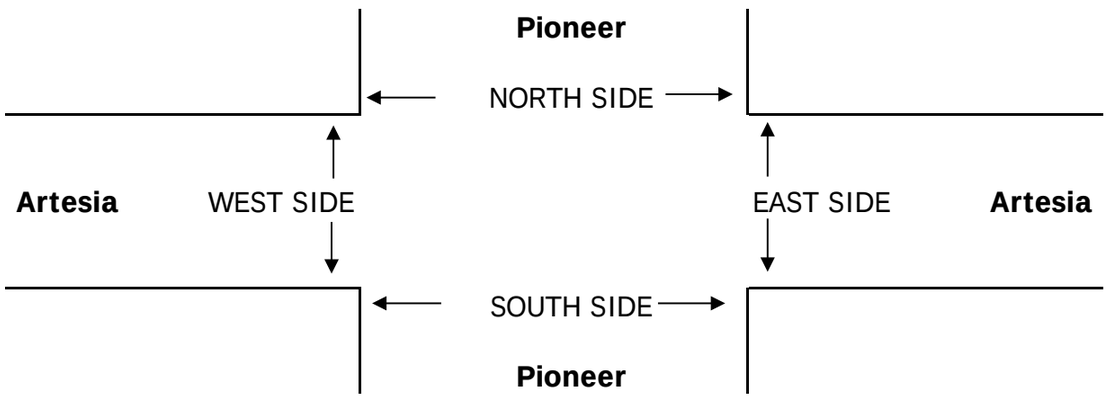
NOTES:

AM
PM
MD
OTHER
OTHER

▲ N
◄ W
E ►
S ▼

☑ Add U-Turns to Left Turns

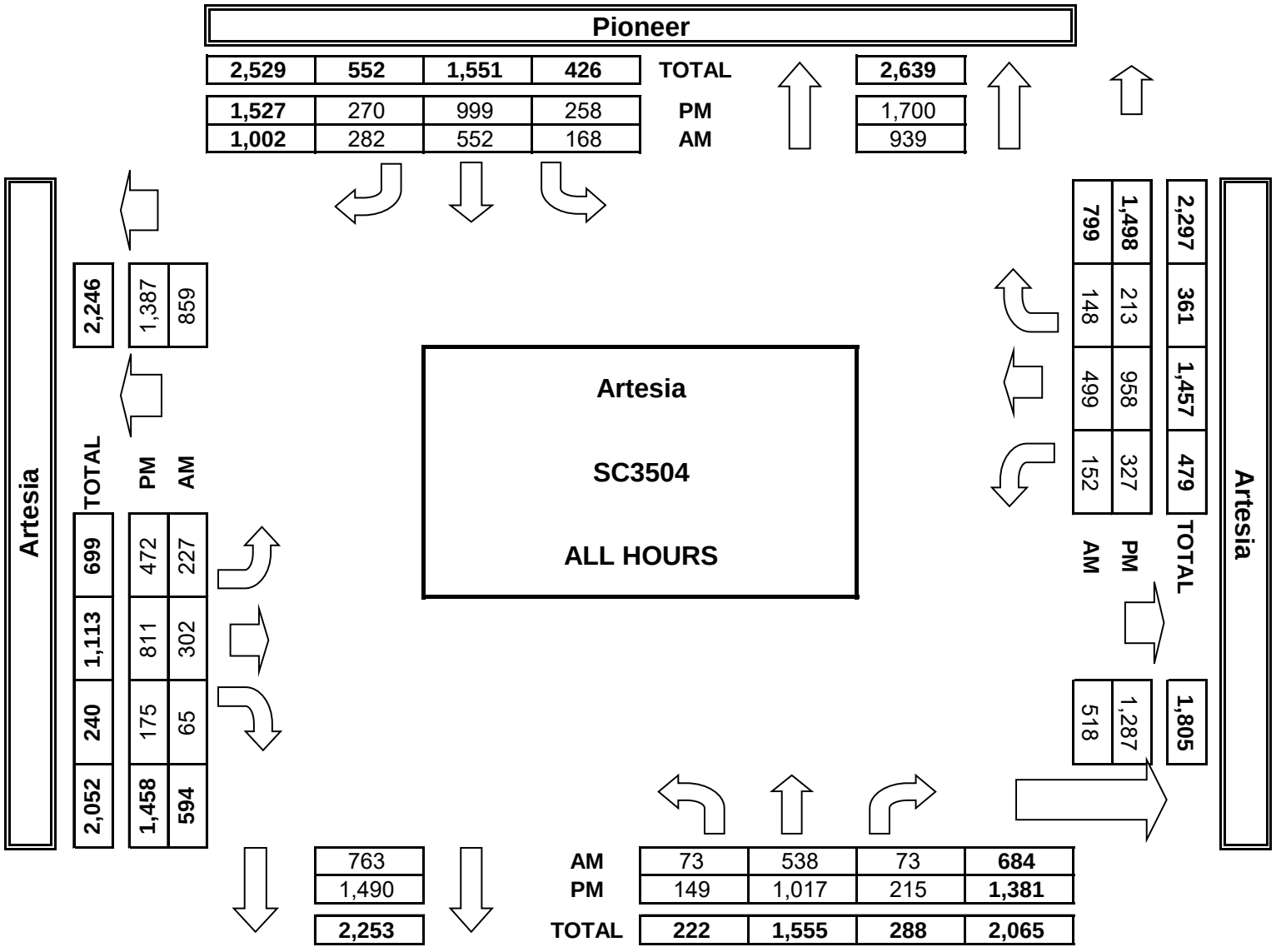
		NORTHBOUND Pioneer			SOUTHBOUND Pioneer			EASTBOUND Artesia			WESTBOUND Artesia				U-TURNS				
	LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 2	ET 2	ER 0	WL 2	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	7	45	6	19	44	34	28	26	5	9	43	19	285	0	7	0	0	7
	7:15 AM	6	60	7	16	49	28	22	28	4	13	57	17	307	0	3	0	1	4
	7:30 AM	6	63	10	25	64	37	25	29	6	17	59	13	354	0	7	2	0	9
	7:45 AM	10	55	8	15	61	30	30	35	7	15	64	25	355	1	3	1	0	5
	8:00 AM	9	82	6	21	57	34	27	41	9	17	72	18	393	1	4	1	1	7
	8:15 AM	11	77	14	31	75	32	34	38	5	30	76	17	440	0	5	1	3	9
	8:30 AM	9	82	12	16	95	47	33	42	15	30	52	16	449	0	3	2	2	7
	8:45 AM	15	74	10	25	107	40	28	63	14	21	76	23	496	0	1	0	1	2
	VOLUMES	73	538	73	168	552	282	227	302	65	152	499	148	3,079	2	33	7	8	50
	APPROACH %	11%	79%	11%	17%	55%	28%	38%	51%	11%	19%	62%	19%						
	APP/DEPART	684	/	939	1,002	/	763	594	/	518	799	/	859	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	44	315	42	93	334	153	122	184	43	98	276	74	1,778					
	APPROACH %	11%	79%	10%	16%	58%	26%	35%	53%	12%	22%	62%	17%						
	PEAK HR FACTOR		0.973			0.843			0.831			0.911		0.896					
	APP/DEPART	401	/	520	580	/	469	349	/	313	448	/	476	0					
PM	4:00 PM	12	128	29	29	135	44	45	104	24	38	101	29	718	1	4	2	3	10
	4:15 PM	23	141	20	28	120	29	71	96	22	38	128	36	752	0	1	5	1	7
	4:30 PM	18	140	28	34	125	32	63	97	22	39	139	21	758	0	0	0	1	1
	4:45 PM	21	108	27	27	111	30	61	96	21	52	115	36	705	2	1	3	3	9
	5:00 PM	15	144	32	32	107	24	79	105	14	55	125	30	762	0	2	0	5	7
	5:15 PM	17	121	31	36	131	23	32	92	23	38	119	16	679	2	1	0	1	4
	5:30 PM	18	117	24	37	123	49	57	96	21	26	97	23	688	0	2	5	2	9
	5:45 PM	25	118	24	35	147	39	64	125	28	41	134	22	802	1	3	1	1	6
	VOLUMES	149	1,017	215	258	999	270	472	811	175	327	958	213	5,864	6	14	16	17	53
	APPROACH %	11%	74%	16%	17%	65%	18%	32%	56%	12%	22%	64%	14%						
	APP/DEPART	1,381	/	1,700	1,527	/	1,490	1,458	/	1,287	1,498	/	1,387	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	77	533	107	121	463	115	274	394	79	184	507	123	2,977					
	APPROACH %	11%	74%	15%	17%	66%	16%	37%	53%	11%	23%	62%	15%						
	PEAK HR FACTOR		0.938			0.915			0.943			0.969		0.977					
	APP/DEPART	717	/	926	699	/	718	747	/	628	814	/	705	0					

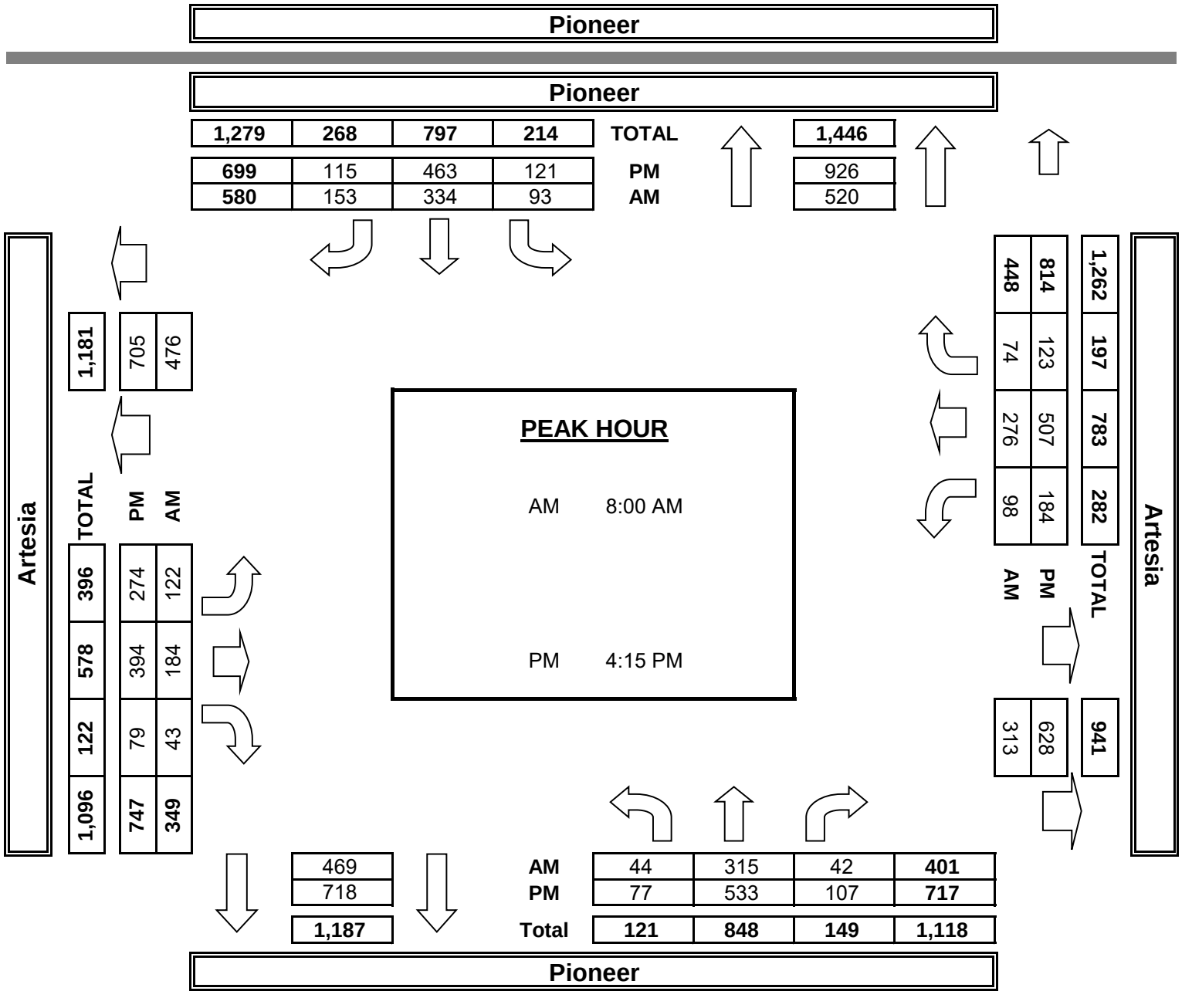


		PEDESTRIAN + BIKE CROSSINGS					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2	2	5	0	9	2	2	2	0	6	0	0	3	0	3
	7:15 AM	1	1	3	0	5	1	0	0	0	1	0	1	3	0	4
	7:30 AM	2	3	6	1	12	2	2	4	0	8	0	1	2	1	4
	7:45 AM	0	2	3	0	5	0	2	1	0	3	0	0	2	0	2
	8:00 AM	3	0	2	2	7	1	0	2	0	3	2	0	0	2	4
	8:15 AM	4	0	3	0	7	2	0	2	0	4	2	0	1	0	3
	8:30 AM	0	5	7	5	17	0	4	5	3	12	0	1	2	2	5
	8:45 AM	5	3	3	2	13	1	3	1	1	6	4	0	2	1	7
	TOTAL	17	16	32	10	75	9	13	17	4	43	8	3	15	6	32
	AM BEGIN PEAK HR	8:00 AM					4	7	10	4	25					
PM	4:00 PM	2	3	7	2	14	1	3	6	1	11	1	0	1	1	3
	4:15 PM	2	1	3	3	9	1	1	3	0	5	1	0	0	3	4
	4:30 PM	9	10	11	6	36	6	10	8	6	30	3	0	3	0	6
	4:45 PM	0	1	2	6	9	0	0	2	2	4	0	1	0	4	5
	5:00 PM	1	2	0	0	3	0	0	0	0	0	1	2	0	0	3
	5:15 PM	4	4	2	5	15	0	1	0	0	1	4	3	2	5	14
	5:30 PM	5	1	2	2	10	0	0	1	1	2	5	1	1	1	8
	5:45 PM	0	3	2	1	6	0	3	2	0	5	0	0	0	1	1
	TOTAL	23	25	29	25	102	8	18	22	10	58	15	7	7	15	44
	PM BEGIN PEAK HR	4:15 PM					7	11	13	8	39					

AimTD LLC

T□RNING MOVEMENT CO□NTS





Thursday, June 09, 2022 CITY: Artesia PROJECT: SC3504

ADT1 Artesia west of Flallon. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
0:00	0		0		7		14			12:00	0		0		121		161		
0:15	0		0		7		8			12:15	0		0		168		118		
0:30	0		0		5		12			12:30	0		0		131		147		
0:45	0	0	0	0	4	23	8	42	65	12:45	0	0	0	0	153	573	153	579	1152
1:00	0		0		4		7			13:00	0		0		122		131		
1:15	0		0		3		4			13:15	0		0		121		162		
1:30	0		0		3		4			13:30	0		0		147		137		
1:45	0	0	0	0	2	12	4	19	31	13:45	0	0	0	0	130	520	162	592	1112
2:00	0		0		6		10			14:00	0		0		143		152		
2:15	0		0		6		6			14:15	0		0		133		139		
2:30	0		0		8		6			14:30	0		0		141		149		
2:45	0	0	0	0	4	24	4	26	50	14:45	0	0	0	0	129	546	171	611	1157
3:00	0		0		3		3			15:00	0		0		150		123		
3:15	0		0		7		0			15:15	0		0		141		146		
3:30	0		0		2		4			15:30	0		0		161		168		
3:45	0	0	0	0	10	22	7	14	36	15:45	0	0	0	0	151	603	175	612	1215
4:00	0		0		11		4			16:00	0		0		182		160		
4:15	0		0		13		3			16:15	0		0		163		167		
4:30	0		0		15		5			16:30	0		0		179		190		
4:45	0	0	0	0	24	63	15	27	90	16:45	0	0	0	0	173	697	166	683	1380
5:00	0		0		13		17			17:00	0		0		187		161		
5:15	0		0		19		14			17:15	0		0		147		160		
5:30	0		0		34		18			17:30	0		0		174		161		
5:45	0	0	0	0	29	95	28	77	172	17:45	0	0	0	0	208	716	194	676	1392
6:00	0		0		32		42			18:00	0		0		174		149		
6:15	0		0		53		47			18:15	0		0		136		164		
6:30	0		0		58		60			18:30	0		0		125		132		
6:45	0	0	0	0	50	193	65	214	407	18:45	0	0	0	0	114	549	139	584	1133
7:00	0		0		51		75			19:00	0		0		119		124		
7:15	0		0		56		84			19:15	0		0		118		98		
7:30	0		0		54		98			19:30	0		0		110		116		
7:45	0	0	0	0	71	232	102	359	591	19:45	0	0	0	0	80	427	102	440	867
8:00	0		0		76		110			20:00	0		0		83		96		
8:15	0		0		77		116			20:15	0		0		97		81		
8:30	0		0		87		109			20:30	0		0		86		100		
8:45	0	0	0	0	108	348	120	455	803	20:45	0	0	0	0	78	344	73	350	694
9:00	0		0		96		108			21:00	0		0		87		81		
9:15	0		0		99		95			21:15	0		0		72		80		
9:30	0		0		108		109			21:30	0		0		97		48		
9:45	0	0	0	0	91	394	116	428	822	21:45	0	0	0	0	41	297	43	252	549
10:00	0		0		92		107			22:00	0		0		59		50		
10:15	0		0		129		94			22:15	0		0		30		49		
10:30	0		0		106		107			22:30	0		0		40		41		
10:45	0	0	0	0	128	455	114	422	877	22:45	0	0	0	0	50	179	31	171	350
11:00	0		0		128		122			23:00	0		0		25		33		
11:15	0		0		134		135			23:15	0		0		19		26		
11:30	0		0		130		131			23:30	0		0		20		26		
11:45	0	0	0	0	109	501	144	532	1033	23:45	0	0	0	0	23	87	19	104	191
Total Vol.						2362		2615	**4977**							5538		5654	**11192**

Daily Totals

NB	SB	EB	WB	Combined
		7900	8269	**16169**

	AM			PM		
Split %	47.5%	52.5%	**30.8%**	49.5%	50.5%	**69.2%**
Peak Hour	11:45	11:15	**11:45**	17:00	15:45	**17:00**
Volume	529	571	**1099**	716	692	**1392**
P.H.F.	0.79	0.89	**0.96**	0.86	0.91	**0.87**

cs aimtd.com Tell. 714 253 7888

Thursday, June 09, 2022 CITY: Artesia PROJECT: SC3504

ADT2 Artesia east of Flallon. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
0:00	0		0		7		14			12:00	0		0		124		160		
0:15	0		0		7		7			12:15	0		0		168		119		
0:30	0		0		5		11			12:30	0		0		129		147		
0:45	0	0	0	0	4	23	8	40	63	12:45	0	0	0	0	153	574	151	577	1151
1:00	0		0		5		7			13:00	0		0		120		131		
1:15	0		0		3		4			13:15	0		0		123		161		
1:30	0		0		3		4			13:30	0		0		148		136		
1:45	0	0	0	0	2	13	4	19	32	13:45	0	0	0	0	132	523	162	590	1113
2:00	0		0		6		12			14:00	0		0		144		151		
2:15	0		0		6		6			14:15	0		0		138		139		
2:30	0		0		8		6			14:30	0		0		145		151		
2:45	0	0	0	0	4	24	4	28	52	14:45	0	0	0	0	131	558	169	610	1168
3:00	0		0		3		3			15:00	0		0		150		124		
3:15	0		0		7		0			15:15	0		0		139		143		
3:30	0		0		2		5			15:30	0		0		162		168		
3:45	0	0	0	0	9	21	6	14	35	15:45	0	0	0	0	157	608	178	613	1221
4:00	0		0		11		4			16:00	0		0		180		161		
4:15	0		0		13		3			16:15	0		0		167		170		
4:30	0		0		15		7			16:30	0		0		183		188		
4:45	0	0	0	0	24	63	22	36	99	16:45	0	0	0	0	172	702	161	680	1382
5:00	0		0		13		21			17:00	0		0		186		160		
5:15	0		0		19		16			17:15	0		0		150		160		
5:30	0		0		37		21			17:30	0		0		177		160		
5:45	0	0	0	0	29	98	29	87	185	17:45	0	0	0	0	206	719	195	675	1394
6:00	0		0		33		45			18:00	0		0		174		152		
6:15	0		0		53		47			18:15	0		0		137		166		
6:30	0		0		61		65			18:30	0		0		127		133		
6:45	0	0	0	0	53	200	69	226	426	18:45	0	0	0	0	113	551	141	592	1143
7:00	0		0		52		77			19:00	0		0		120		123		
7:15	0		0		56		87			19:15	0		0		117		97		
7:30	0		0		56		101			19:30	0		0		111		116		
7:45	0	0	0	0	72	236	105	370	606	19:45	0	0	0	0	81	429	99	435	864
8:00	0		0		75		110			20:00	0		0		81		94		
8:15	0		0		76		116			20:15	0		0		96		81		
8:30	0		0		89		113			20:30	0		0		84		101		
8:45	0	0	0	0	107	347	119	458	805	20:45	0	0	0	0	79	340	74	350	690
9:00	0		0		97		109			21:00	0		0		89		80		
9:15	0		0		102		96			21:15	0		0		73		82		
9:30	0		0		110		109			21:30	0		0		98		49		
9:45	0	0	0	0	91	400	117	431	831	21:45	0	0	0	0	42	302	43	254	556
10:00	0		0		94		109			22:00	0		0		59		51		
10:15	0		0		130		96			22:15	0		0		32		50		
10:30	0		0		106		108			22:30	0		0		40		43		
10:45	0	0	0	0	127	457	116	429	886	22:45	0	0	0	0	52	183	33	177	360
11:00	0		0		128		121			23:00	0		0		28		33		
11:15	0		0		134		134			23:15	0		0		19		29		
11:30	0		0		132		131			23:30	0		0		20		26		
11:45	0	0	0	0	109	503	146	532	1035	23:45	0	0	0	0	24	91	19	107	198
Total Vol.						2385		2670	**5055**							5580		5660	**11240**

Daily Totals

NB	SB	EB	WB	Combined
		7965	8330	**16295**

	AM			PM		
Split %	47.2%	52.8%	**31.0%**	49.6%	50.4%	**69.0%**
Peak Hour	11:30	11:45	**11:45**	17:00	15:45	**17:00**
Volume	533	572	**1102**	719	697	**1394**
P.H.F.	0.79	0.89	**0.96**	0.87	0.93	**0.87**

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Thursday, June 09, 2022 CITY: Artesia PROJECT: SC3504

ADT3 Artesia east of Alburtis. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
0:00	0		0		10		18			12:00	0		0		132		154		
0:15	0		0		6		9			12:15	0		0		167		134		
0:30	0		0		7		10			12:30	0		0		142		154		
0:45	0	0	0	0	5	28	8	45	73	12:45	0	0	0	0	149	590	153	595	1185
1:00	0		0		5		8			13:00	0		0		134		129		
1:15	0		0		3		5			13:15	0		0		113		165		
1:30	0		0		5		4			13:30	0		0		150		130		
1:45	0	0	0	0	4	17	4	21	38	13:45	0	0	0	0	128	525	158	582	1107
2:00	0		0		4		11			14:00	0		0		143		161		
2:15	0		0		7		7			14:15	0		0		139		130		
2:30	0		0		9		5			14:30	0		0		144		149		
2:45	0	0	0	0	4	24	5	28	52	14:45	0	0	0	0	150	576	167	607	1183
3:00	0		0		3		4			15:00	0		0		151		124		
3:15	0		0		6		0			15:15	0		0		141		150		
3:30	0		0		3		5			15:30	0		0		162		159		
3:45	0	0	0	0	11	23	7	16	39	15:45	0	0	0	0	150	604	175	608	1212
4:00	0		0		10		4			16:00	0		0		189		168		
4:15	0		0		11		3			16:15	0		0		177		173		
4:30	0		0		13		7			16:30	0		0		186		184		
4:45	0	0	0	0	28	62	22	36	98	16:45	0	0	0	0	171	723	168	693	1416
5:00	0		0		16		18			17:00	0		0		189		159		
5:15	0		0		21		18			17:15	0		0		148		152		
5:30	0		0		34		25			17:30	0		0		187		168		
5:45	0	0	0	0	32	103	34	95	198	17:45	0	0	0	0	205	729	200	679	1408
6:00	0		0		38		45			18:00	0		0		185		160		
6:15	0		0		52		41			18:15	0		0		149		157		
6:30	0		0		69		64			18:30	0		0		126		138		
6:45	0	0	0	0	55	214	71	221	435	18:45	0	0	0	0	120	580	141	596	1176
7:00	0		0		56		81			19:00	0		0		119		121		
7:15	0		0		66		84			19:15	0		0		128		99		
7:30	0		0		59		102			19:30	0		0		109		124		
7:45	0	0	0	0	71	252	98	365	617	19:45	0	0	0	0	84	440	95	439	879
8:00	0		0		70		112			20:00	0		0		79		98		
8:15	0		0		78		108			20:15	0		0		95		79		
8:30	0		0		101		116			20:30	0		0		83		100		
8:45	0	0	0	0	103	352	124	460	812	20:45	0	0	0	0	87	344	74	351	695
9:00	0		0		106		104			21:00	0		0		91		80		
9:15	0		0		94		102			21:15	0		0		69		86		
9:30	0		0		114		111			21:30	0		0		96		51		
9:45	0	0	0	0	97	411	113	430	841	21:45	0	0	0	0	50	306	43	260	566
10:00	0		0		94		115			22:00	0		0		58		49		
10:15	0		0		139		96			22:15	0		0		35		52		
10:30	0		0		112		104			22:30	0		0		33		47		
10:45	0	0	0	0	121	466	120	435	901	22:45	0	0	0	0	57	183	29	177	360
11:00	0		0		121		120			23:00	0		0		25		37		
11:15	0		0		144		126			23:15	0		0		23		27		
11:30	0		0		139		141			23:30	0		0		16		27		
11:45	0	0	0	0	109	513	148	535	1048	23:45	0	0	0	0	28	92	21	112	204
Total Vol.						2465		2687	**5152**						5692		5699		**11391**

Daily Totals

NB	SB	EB	WB	Combined
		8157	8386	**16543**

	AM			PM		
Split %	47.8%	52.2%	**31.1%**	50.0%	50.0%	**68.9%**
Peak Hour	11:45	11:45	**11:45**	17:00	15:45	**16:00**
Volume	550	590	**1140**	729	700	**1416**
P.H.F.	0.82	0.96	**0.95**	0.89	0.95	**0.96**

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Thursday, June 09, 2022 CITY: Artesia PROJECT: SC3504

ADT4 Flallon north of Artesia. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
0:00	0		0		0		0			12:00	1		5		0		0		
0:15	0		1		0		0			12:15	3		2		0		0		
0:30	1		2		0		0			12:30	6		4		0		0		
0:45	0	1	0	3	0	0	0	0	4	12:45	1	11	3	14	0	0	0	0	25
1:00	1		2		0		0			13:00	5		3		0		0		
1:15	0		0		0		0			13:15	3		6		0		0		
1:30	0		0		0		0			13:30	0		2		0		0		
1:45	1	2	1	3	0	0	0	0	5	13:45	4	12	6	17	0	0	0	0	29
2:00	2		0		0		0			14:00	2		4		0		0		
2:15	0		0		0		0			14:15	1		6		0		0		
2:30	0		0		0		0			14:30	1		3		0		0		
2:45	0	2	0	0	0	0	0	0	2	14:45	1	5	5	18	0	0	0	0	23
3:00	0		0		0		0			15:00	5		4		0		0		
3:15	0		0		0		0			15:15	3		4		0		0		
3:30	1		0		0		0			15:30	2		3		0		0		
3:45	0	1	0	0	0	0	0	0	1	15:45	6	16	9	20	0	0	0	0	36
4:00	0		0		0		0			16:00	7		4		0		0		
4:15	0		0		0		0			16:15	4		5		0		0		
4:30	2		0		0		0			16:30	1		7		0		0		
4:45	7	9	0	0	0	0	0	0	9	16:45	2	14	6	22	0	0	0	0	36
5:00	6		2		0		0			17:00	2		2		0		0		
5:15	3		1		0		0			17:15	2		5		0		0		
5:30	3		3		0		0			17:30	2		6		0		0		
5:45	1	13	0	6	0	0	0	0	19	17:45	4	10	1	14	0	0	0	0	24
6:00	3		1		0		0			18:00	3		0		0		0		
6:15	1		1		0		0			18:15	4		3		0		0		
6:30	4		2		0		0			18:30	1		2		0		0		
6:45	5	13	4	8	0	0	0	0	21	18:45	5	13	2	7	0	0	0	0	20
7:00	2		1		0		0			19:00	0		2		0		0		
7:15	4		1		0		0			19:15	1		1		0		0		
7:30	3		2		0		0			19:30	1		2		0		0		
7:45	3	12	1	5	0	0	0	0	17	19:45	0	2	4	9	0	0	0	0	11
8:00	1		0		0		0			20:00	0		0		0		0		
8:15	2		1		0		0			20:15	3		2		0		0		
8:30	4		2		0		0			20:30	4		1		0		0		
8:45	1	8	1	4	0	0	0	0	12	20:45	1	8	1	4	0	0	0	0	12
9:00	1		1		0		0			21:00	0		3		0		0		
9:15	2		4		0		0			21:15	5		4		0		0		
9:30	3		5		0		0			21:30	1		1		0		0		
9:45	3	9	2	12	0	0	0	0	21	21:45	1	7	2	10	0	0	0	0	17
10:00	5		5		0		0			22:00	2		1		0		0		
10:15	2		1		0		0			22:15	1		2		0		0		
10:30	4		3		0		0			22:30	3		1		0		0		
10:45	5	16	2	11	0	0	0	0	27	22:45	2	8	2	6	0	0	0	0	14
11:00	2		3		0		0			23:00	1		4		0		0		
11:15	4		5		0		0			23:15	3		0		0		0		
11:30	2		4		0		0			23:30	1		1		0		0		
11:45	3	11	1	13	0	0	0	0	24	23:45	0	5	1	6	0	0	0	0	11
Total Vol.		97		65					**162**			111		147					**258**

Daily Totals

NB	SB	EB	WB	**Combined**
208	212			**420**

	AM				**PM**			
Split %	59.9%	40.1%		**38.6%**	43.0%	57.0%		**61.4%**
Peak Hour	4:45	9:15		**9:15**	15:30	15:45		**15:45**
Volume	19	16		**29**	19	25		**43**
P.H.F.	0.68	0.80		**0.73**	0.79	0.69		**0.72**

cs aimtd.com Tell. 714 253 7888

Thursday, June 09, 2022 CITY: Artesia PROJECT: SC3504

ADT5 Alburtis north of Artesia. **Prepared by AimTD LLC tel. 714 253 7888**

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
0:00	0		0		0		0			12:00	2		7		0		0		
0:15	0		0		0		0			12:15	5		5		0		0		
0:30	0		0		0		0			12:30	4		5		0		0		
0:45	0	0	0	0	0	0	0	0		12:45	3	14	7	24	0	0	0	0	38
1:00	0		0		0		0			13:00	3		6		0		0		
1:15	0		0		0		0			13:15	12		3		0		0		
1:30	0		2		0		0			13:30	5		9		0		0		
1:45	0	0	1	3	0	0	0	0	3	13:45	5	25	1	19	0	0	0	0	44
2:00	1		0		0		0			14:00	4		6		0		0		
2:15	0		0		0		0			14:15	1		6		0		0		
2:30	0		0		0		0			14:30	5		7		0		0		
2:45	0	1	0	0	0	0	0	0	1	14:45	5	15	13	32	0	0	0	0	47
3:00	0		0		0		0			15:00	4		5		0		0		
3:15	0		0		0		0			15:15	1		4		0		0		
3:30	0		0		0		0			15:30	2		7		0		0		
3:45	0	0	1	1	0	0	0	0	1	15:45	3	10	3	19	0	0	0	0	29
4:00	1		0		0		0			16:00	7		6		0		0		
4:15	1		0		0		0			16:15	7		13		0		0		
4:30	1		2		0		0			16:30	3		6		0		0		
4:45	1	4	4	6	0	0	0	0	10	16:45	3	20	3	28	0	0	0	0	48
5:00	0		4		0		0			17:00	1		6		0		0		
5:15	1		1		0		0			17:15	2		4		0		0		
5:30	4		1		0		0			17:30	3		3		0		0		
5:45	6	11	3	9	0	0	0	0	20	17:45	1	7	6	19	0	0	0	0	26
6:00	4		2		0		0			18:00	3		2		0		0		
6:15	2		9		0		0			18:15	0		6		0		0		
6:30	2		8		0		0			18:30	3		3		0		0		
6:45	2	10	3	22	0	0	0	0	32	18:45	0	6	4	15	0	0	0	0	21
7:00	2		6		0		0			19:00	2		1		0		0		
7:15	0		4		0		0			19:15	0		1		0		0		
7:30	3		4		0		0			19:30	4		2		0		0		
7:45	2	7	3	17	0	0	0	0	24	19:45	1	7	0	4	0	0	0	0	11
8:00	0		1		0		0			20:00	0		0		0		0		
8:15	4		5		0		0			20:15	0		0		0		0		
8:30	2		6		0		0			20:30	0		3		0		0		
8:45	2	8	5	17	0	0	0	0	25	20:45	0	0	1	4	0	0	0	0	4
9:00	2		7		0		0			21:00	1		0		0		0		
9:15	5		4		0		0			21:15	1		4		0		0		
9:30	1		6		0		0			21:30	1		0		0		0		
9:45	7	15	6	23	0	0	0	0	38	21:45	0	3	0	4	0	0	0	0	7
10:00	2		5		0		0			22:00	1		0		0		0		
10:15	4		8		0		0			22:15	0		0		0		0		
10:30	4		4		0		0			22:30	0		0		0		0		
10:45	5	15	4	21	0	0	0	0	36	22:45	0	1	0	0	0	0	0	0	1
11:00	6		1		0		0			23:00	0		0		0		0		
11:15	7		8		0		0			23:15	0		0		0		0		
11:30	8		7		0		0			23:30	0		0		0		0		
11:45	5	26	10	26	0	0	0	0	52	23:45	0	0	0	0	0	0	0	0	
Total Vol.		97		145					**242**			108		168					**276**

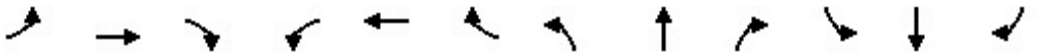
Daily Totals

NB	SB	EB	WB	**Combined**
205	313			**518**

	AM			**PM**		
Split %	40.1%	59.9%	**46.7%**	39.1%	60.9%	**53.3%**
Peak Hour	10:45	11:15	**11:15**	13:15	14:00	**12:45**
Volume	26	32	**54**	26	32	**48**
P.H.F.	0.81	0.80	**0.90**	0.56	0.62	**0.80**

APPENDIX C

INTERSECTION ANALYSIS WORKSHEETS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	314	14	26	396	30	5	3	20	26	0	7
Future Volume (veh/h)	15	314	14	26	396	30	5	3	20	26	0	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	357	16	30	450	34	6	3	23	30	0	8
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	715	2380	106	789	2304	174	110	32	131	132	0	131
Arrive On Green	0.69	0.69	0.69	0.69	0.69	0.69	0.08	0.08	0.08	0.08	0.00	0.08
Sat Flow, veh/h	911	3460	155	1007	3349	252	3	381	1585	4	0	1579
Grp Volume(v), veh/h	17	183	190	30	238	246	9	0	23	30	0	8
Grp Sat Flow(s),veh/h/ln	911	1777	1838	1007	1777	1825	384	0	1585	4	0	1579
Q Serve(g_s), s	0.4	2.0	2.0	0.6	2.6	2.7	0.0	0.0	0.7	0.0	0.0	0.3
Cycle Q Clear(g_c), s	3.0	2.0	2.0	2.5	2.6	2.7	4.5	0.0	0.7	4.5	0.0	0.3
Prop In Lane	1.00		0.08	1.00		0.14	0.67		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	715	1222	1264	789	1222	1255	142	0	131	132	0	131
V/C Ratio(X)	0.02	0.15	0.15	0.04	0.19	0.20	0.06	0.00	0.18	0.23	0.00	0.06
Avail Cap(c_a), veh/h	715	1222	1264	789	1222	1255	858	0	872	780	0	869
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	3.6	3.0	3.0	3.4	3.1	3.1	23.2	0.0	23.3	27.3	0.0	23.0
Incr Delay (d2), s/veh	0.1	0.3	0.3	0.1	0.4	0.3	0.2	0.0	0.6	0.9	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.4	0.4	0.1	0.5	0.5	0.1	0.0	0.3	0.4	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	3.7	3.2	3.2	3.5	3.4	3.4	23.3	0.0	23.9	28.1	0.0	23.2
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		390			514			32			38	
Approach Delay, s/veh		3.2			3.4			23.7			27.1	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		10.5		44.0		10.5				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		5.0		6.5		4.7		6.5				
Green Ext Time (p_c), s		3.3		0.1		4.4		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			4.9									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	379	0	0	497	8	0	0	0	4	0	2
Future Vol, veh/h	5	379	0	0	497	8	0	0	0	4	0	2
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	426	0	0	558	9	0	0	0	4	0	2

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	569	0	0	-	-	0	717	1007	213	790	1003	286
Stage 1	-	-	-	-	-	-	438	438	-	565	565	-
Stage 2	-	-	-	-	-	-	279	569	-	225	438	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	999	-	-	0	-	-	317	239	792	281	241	711
Stage 1	-	-	-	0	-	-	567	577	-	477	506	-
Stage 2	-	-	-	0	-	-	704	504	-	757	577	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	997	-	-	-	-	-	314	237	792	279	239	710
Mov Cap-2 Maneuver	-	-	-	-	-	-	314	237	-	279	239	-
Stage 1	-	-	-	-	-	-	564	574	-	473	505	-
Stage 2	-	-	-	-	-	-	702	503	-	752	574	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	15.4
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	997	-	-	-	-	279	710
HCM Lane V/C Ratio	-	0.006	-	-	-	-	0.016	0.003
HCM Control Delay (s)	0	8.6	-	-	-	-	18.1	10.1
HCM Lane LOS	A	A	-	-	-	-	C	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0	0

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	2	371	0	0	499	8	0	0	0	17	0	3
Future Vol, veh/h	2	371	0	0	499	8	0	0	0	17	0	3
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	417	0	0	561	9	0	0	0	19	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	572	0	0	-	-	0	702	993	209	781	989	287
Stage 1	-	-	-	-	-	-	421	421	-	568	568	-
Stage 2	-	-	-	-	-	-	281	572	-	213	421	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	997	-	-	0	-	-	325	244	797	285	245	710
Stage 1	-	-	-	0	-	-	581	587	-	475	505	-
Stage 2	-	-	-	0	-	-	702	502	-	769	587	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	995	-	-	-	-	-	323	243	797	284	244	709
Mov Cap-2 Maneuver	-	-	-	-	-	-	323	243	-	284	244	-
Stage 1	-	-	-	-	-	-	580	586	-	473	504	-
Stage 2	-	-	-	-	-	-	699	501	-	767	586	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	17.3
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	995	-	-	-	-	284	709
HCM Lane V/C Ratio	-	0.002	-	-	-	-	0.067	0.005
HCM Control Delay (s)	0	8.6	-	-	-	-	18.6	10.1
HCM Lane LOS	A	A	-	-	-	-	C	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.2	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	135	203	48	108	304	82	49	347	47	103	368	169
Future Volume (veh/h)	135	203	48	108	304	82	49	347	47	103	368	169
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	150	226	53	120	338	91	54	386	52	114	409	188
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	213	637	146	148	675	179	70	1481	647	141	1623	713
Arrive On Green	0.06	0.22	0.22	0.08	0.24	0.24	0.04	0.42	0.42	0.08	0.46	0.46
Sat Flow, veh/h	3456	2864	657	1781	2774	736	1781	3554	1552	1781	3554	1560
Grp Volume(v), veh/h	150	138	141	120	215	214	54	386	52	114	409	188
Grp Sat Flow(s),veh/h/ln	1728	1777	1745	1781	1777	1734	1781	1777	1552	1781	1777	1560
Q Serve(g_s), s	4.6	7.1	7.4	7.2	11.2	11.5	3.2	7.7	2.2	6.8	7.6	8.0
Cycle Q Clear(g_c), s	4.6	7.1	7.4	7.2	11.2	11.5	3.2	7.7	2.2	6.8	7.6	8.0
Prop In Lane	1.00		0.38	1.00		0.42	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	213	395	388	148	433	422	70	1481	647	141	1623	713
V/C Ratio(X)	0.70	0.35	0.36	0.81	0.50	0.51	0.78	0.26	0.08	0.81	0.25	0.26
Avail Cap(c_a), veh/h	640	395	388	247	433	422	247	1481	647	247	1623	713
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.7	35.4	35.5	48.7	35.2	35.3	51.4	20.6	19.0	48.9	18.0	18.1
Incr Delay (d2), s/veh	1.6	2.4	2.6	4.1	4.0	4.3	6.7	0.4	0.2	4.1	0.4	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	3.3	3.3	3.3	5.2	5.2	1.6	3.2	0.8	3.1	3.1	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	51.3	37.9	38.1	52.8	39.2	39.6	58.1	21.0	19.3	53.0	18.4	19.0
LnGrp LOS	D	D	D	D	D	D	E	C	B	D	B	B
Approach Vol, veh/h		429			549			492			711	
Approach Delay, s/veh		42.7			42.3			24.9			24.1	
Approach LOS		D			D			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.9	30.0	9.2	54.8	11.7	32.3	13.5	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	9.2	9.4	5.2	10.0	6.6	13.5	8.8	9.7
Green Ext Time (p_c), s	0.0	1.2	0.0	5.2	0.1	1.7	0.0	4.1

Intersection Summary	
HCM 6th Ctrl Delay	32.5
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	9	621	16	22	636	16	8	0	19	24	1	4
Future Volume (veh/h)	9	621	16	22	636	16	8	0	19	24	1	4
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	10	706	18	25	723	18	9	0	22	27	1	5
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	570	2437	62	578	2439	61	132	0	128	130	3	129
Arrive On Green	0.69	0.69	0.69	0.69	0.69	0.69	0.08	0.00	0.08	0.08	0.08	0.08
Sat Flow, veh/h	718	3538	90	729	3541	88	2	0	1573	2	31	1585
Grp Volume(v), veh/h	10	354	370	25	363	378	9	0	22	28	0	5
Grp Sat Flow(s),veh/h/ln	718	1777	1851	729	1777	1852	2	0	1573	33	0	1585
Q Serve(g_s), s	0.3	4.2	4.2	0.8	4.3	4.3	0.0	0.0	0.7	0.0	0.0	0.2
Cycle Q Clear(g_c), s	4.6	4.2	4.2	5.0	4.3	4.3	4.4	0.0	0.7	4.4	0.0	0.2
Prop In Lane	1.00		0.05	1.00		0.05	1.00		1.00	0.96		1.00
Lane Grp Cap(c), veh/h	570	1224	1275	578	1224	1276	132	0	128	133	0	129
V/C Ratio(X)	0.02	0.29	0.29	0.04	0.30	0.30	0.07	0.00	0.17	0.21	0.00	0.04
Avail Cap(c_a), veh/h	570	1224	1275	578	1224	1276	794	0	867	789	0	873
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	4.2	3.3	3.3	4.3	3.3	3.3	27.2	0.0	23.3	26.8	0.0	23.0
Incr Delay (d2), s/veh	0.1	0.6	0.6	0.1	0.6	0.6	0.2	0.0	0.6	0.8	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.8	0.8	0.1	0.8	0.9	0.1	0.0	0.3	0.4	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	4.3	3.9	3.9	4.4	3.9	3.9	27.4	0.0	23.9	27.6	0.0	23.2
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		734			766			31			33	
Approach Delay, s/veh		3.9			3.9			24.9			26.9	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		10.5		44.0		10.5				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		6.6		6.4		7.0		6.4				
Green Ext Time (p_c), s		6.9		0.1		7.2		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			4.8									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	713	0	0	667	8	0	0	0	6	0	8
Future Vol, veh/h	3	713	0	0	667	8	0	0	0	6	0	8
Conflicting Peds, #/hr	0	0	0	0	0	3	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	820	0	0	767	9	0	0	0	7	0	9

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	779	0	0	-	-	0	1210	1605	410	1191	1601	391
Stage 1	-	-	-	-	-	-	826	826	-	775	775	-
Stage 2	-	-	-	-	-	-	384	779	-	416	826	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	834	-	-	0	-	-	138	104	591	143	105	608
Stage 1	-	-	-	0	-	-	332	385	-	357	406	-
Stage 2	-	-	-	0	-	-	611	404	-	585	385	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	832	-	-	-	-	-	136	103	591	142	104	606
Mov Cap-2 Maneuver	-	-	-	-	-	-	136	103	-	142	104	-
Stage 1	-	-	-	-	-	-	331	383	-	355	405	-
Stage 2	-	-	-	-	-	-	602	403	-	583	383	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	19.8
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	832	-	-	-	-	142	606
HCM Lane V/C Ratio	-	0.004	-	-	-	-	0.049	0.015
HCM Control Delay (s)	0	9.3	-	-	-	-	31.6	11
HCM Lane LOS	A	A	-	-	-	-	D	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.2	0

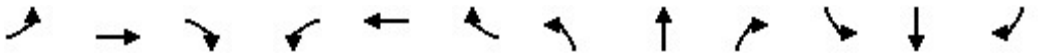
Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	700	0	0	676	17	0	0	0	23	0	5
Future Vol, veh/h	3	700	0	0	676	17	0	0	0	23	0	5
Conflicting Peds, #/hr	0	0	0	0	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	729	0	0	704	18	0	0	0	24	0	5

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	723	0	0	-	-	0	1087	1458	365	1085	1449	362
Stage 1	-	-	-	-	-	-	735	735	-	714	714	-
Stage 2	-	-	-	-	-	-	352	723	-	371	735	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	875	-	-	0	-	-	170	128	632	171	130	635
Stage 1	-	-	-	0	-	-	377	424	-	388	433	-
Stage 2	-	-	-	0	-	-	638	429	-	622	424	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	874	-	-	-	-	-	168	127	632	170	129	634
Mov Cap-2 Maneuver	-	-	-	-	-	-	168	127	-	170	129	-
Stage 1	-	-	-	-	-	-	376	423	-	386	433	-
Stage 2	-	-	-	-	-	-	633	429	-	620	423	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	26.2
HCM LOS			A	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	874	-	-	-	-	170	634
HCM Lane V/C Ratio	-	0.004	-	-	-	-	0.141	0.008
HCM Control Delay (s)	0	9.1	-	-	-	-	29.6	10.7
HCM Lane LOS	A	A	-	-	-	-	D	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.5	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	274	394	79	184	507	123	77	533	107	121	463	115
Future Volume (veh/h)	274	394	79	184	507	123	77	533	107	121	463	115
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	280	402	81	188	517	126	79	544	109	123	472	117
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	342	620	124	216	659	160	101	1404	612	150	1502	658
Arrive On Green	0.10	0.21	0.21	0.12	0.23	0.23	0.06	0.40	0.40	0.08	0.42	0.42
Sat Flow, veh/h	3456	2943	587	1781	2830	686	1781	3554	1549	1781	3554	1556
Grp Volume(v), veh/h	280	241	242	188	324	319	79	544	109	123	472	117
Grp Sat Flow(s),veh/h/ln	1728	1777	1754	1781	1777	1739	1781	1777	1549	1781	1777	1556
Q Serve(g_s), s	9.0	14.1	14.4	11.8	19.5	19.6	5.0	12.4	5.2	7.7	10.1	5.3
Cycle Q Clear(g_c), s	9.0	14.1	14.4	11.8	19.5	19.6	5.0	12.4	5.2	7.7	10.1	5.3
Prop In Lane	1.00		0.33	1.00		0.39	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	342	375	370	216	414	405	101	1404	612	150	1502	658
V/C Ratio(X)	0.82	0.64	0.65	0.87	0.78	0.79	0.78	0.39	0.18	0.82	0.31	0.18
Avail Cap(c_a), veh/h	607	375	370	235	414	405	235	1404	612	235	1502	658
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.3	41.0	41.1	49.2	41.0	41.0	53.0	24.6	22.4	51.3	21.9	20.5
Incr Delay (d2), s/veh	1.8	8.3	8.7	25.0	13.7	14.4	5.0	0.8	0.6	6.4	0.5	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	6.9	7.0	6.6	9.9	9.8	2.3	5.3	2.0	3.7	4.2	2.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	52.1	49.3	49.9	74.2	54.7	55.4	58.0	25.4	23.0	57.7	22.4	21.1
LnGrp LOS	D	D	D	E	D	E	E	C	C	E	C	C
Approach Vol, veh/h		763			831			732			712	
Approach Delay, s/veh		50.5			59.4			28.6			28.3	
Approach LOS		D			E			C			C	

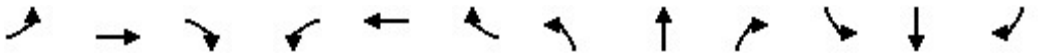
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.8	30.0	11.4	53.6	16.3	32.5	14.6	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	13.8	16.4	7.0	12.1	11.0	21.6	9.7	14.4
Green Ext Time (p_c), s	0.0	1.6	0.0	5.4	0.2	0.9	0.0	6.1

Intersection Summary	
HCM 6th Ctrl Delay	42.4
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	339	14	34	417	32	5	3	30	28	0	7
Future Volume (veh/h)	15	339	14	34	417	32	5	3	30	28	0	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	385	16	39	474	36	6	3	34	32	0	8
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	674	2322	96	744	2238	169	108	33	172	130	0	172
Arrive On Green	0.67	0.67	0.67	0.67	0.67	0.67	0.11	0.11	0.11	0.11	0.00	0.11
Sat Flow, veh/h	890	3473	144	982	3348	254	6	299	1585	13	0	1581
Grp Volume(v), veh/h	17	196	205	39	251	259	9	0	34	32	0	8
Grp Sat Flow(s),veh/h/ln	890	1777	1840	982	1777	1825	305	0	1585	13	0	1581
Q Serve(g_s), s	0.4	2.3	2.3	0.9	3.1	3.1	0.0	0.0	1.1	0.1	0.0	0.3
Cycle Q Clear(g_c), s	3.5	2.3	2.3	3.2	3.1	3.1	6.1	0.0	1.1	6.1	0.0	0.3
Prop In Lane	1.00		0.08	1.00		0.14	0.67		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	674	1188	1230	744	1188	1220	140	0	172	130	0	172
V/C Ratio(X)	0.03	0.17	0.17	0.05	0.21	0.21	0.06	0.00	0.20	0.25	0.00	0.05
Avail Cap(c_a), veh/h	674	1188	1230	744	1188	1220	793	0	848	714	0	845
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	4.3	3.5	3.5	4.1	3.6	3.6	22.6	0.0	22.8	28.0	0.0	22.4
Incr Delay (d2), s/veh	0.1	0.3	0.3	0.1	0.4	0.4	0.2	0.0	0.6	1.0	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.5	0.5	0.1	0.7	0.7	0.1	0.0	0.4	0.4	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	4.3	3.8	3.8	4.2	4.0	4.0	22.8	0.0	23.3	29.0	0.0	22.5
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		418			549			43			40	
Approach Delay, s/veh		3.8			4.0			23.2			27.7	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		12.1		44.0		12.1				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		5.5		8.1		5.2		8.1				
Green Ext Time (p_c), s		3.5		0.1		4.8		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			5.6									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	23	397	0	0	512	50	0	0	0	40	0	17
Future Vol, veh/h	23	397	0	0	512	50	0	0	0	40	0	17
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	26	446	0	0	575	56	0	0	0	45	0	19

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	633	0	0	-	-	0	786	1131	223	880	1103	318
Stage 1	-	-	-	-	-	-	498	498	-	605	605	-
Stage 2	-	-	-	-	-	-	288	633	-	275	498	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	946	-	-	0	-	-	283	202	780	241	210	678
Stage 1	-	-	-	0	-	-	523	543	-	451	486	-
Stage 2	-	-	-	0	-	-	695	472	-	708	543	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	944	-	-	-	-	-	269	196	780	235	204	677
Mov Cap-2 Maneuver	-	-	-	-	-	-	269	196	-	235	204	-
Stage 1	-	-	-	-	-	-	508	528	-	438	485	-
Stage 2	-	-	-	-	-	-	675	471	-	689	528	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0	0	19.9
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	944	-	-	-	-	235	677
HCM Lane V/C Ratio	-	0.027	-	-	-	-	0.191	0.028
HCM Control Delay (s)	0	8.9	-	-	-	-	23.9	10.5
HCM Lane LOS	A	A	-	-	-	-	C	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	0.7	0.1

Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	20	407	0	0	541	50	0	0	0	53	0	18
Future Vol, veh/h	20	407	0	0	541	50	0	0	0	53	0	18
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	22	457	0	0	608	56	0	0	0	60	0	20

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	666	0	0	-	-	0	805	1167	229	911	1139	334
Stage 1	-	-	-	-	-	-	501	501	-	638	638	-
Stage 2	-	-	-	-	-	-	304	666	-	273	501	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	919	-	-	0	-	-	274	192	774	229	200	662
Stage 1	-	-	-	0	-	-	521	541	-	431	469	-
Stage 2	-	-	-	0	-	-	681	456	-	710	541	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	917	-	-	-	-	-	261	187	774	224	195	661
Mov Cap-2 Maneuver	-	-	-	-	-	-	261	187	-	224	195	-
Stage 1	-	-	-	-	-	-	508	528	-	420	468	-
Stage 2	-	-	-	-	-	-	660	455	-	693	528	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0	0	22.7
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	917	-	-	-	-	224	661
HCM Lane V/C Ratio	-	0.025	-	-	-	-	0.266	0.031
HCM Control Delay (s)	0	9	-	-	-	-	26.8	10.6
HCM Lane LOS	A	A	-	-	-	-	D	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	1	0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	176	219	64	108	322	82	67	347	47	103	368	217
Future Volume (veh/h)	176	219	64	108	322	82	67	347	47	103	368	217
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	196	243	71	120	358	91	74	386	52	114	409	241
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	261	605	173	148	645	162	95	1481	647	141	1573	691
Arrive On Green	0.08	0.22	0.22	0.08	0.23	0.23	0.05	0.42	0.42	0.08	0.44	0.44
Sat Flow, veh/h	3456	2722	776	1781	2811	705	1781	3554	1552	1781	3554	1560
Grp Volume(v), veh/h	196	157	157	120	225	224	74	386	52	114	409	241
Grp Sat Flow(s),veh/h/ln	1728	1777	1722	1781	1777	1739	1781	1777	1552	1781	1777	1560
Q Serve(g_s), s	6.0	8.1	8.5	7.2	12.0	12.3	4.4	7.7	2.2	6.8	7.8	11.0
Cycle Q Clear(g_c), s	6.0	8.1	8.5	7.2	12.0	12.3	4.4	7.7	2.2	6.8	7.8	11.0
Prop In Lane	1.00		0.45	1.00		0.41	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	261	395	383	148	408	399	95	1481	647	141	1573	691
V/C Ratio(X)	0.75	0.40	0.41	0.81	0.55	0.56	0.78	0.26	0.08	0.81	0.26	0.35
Avail Cap(c_a), veh/h	640	395	383	247	408	399	247	1481	647	247	1573	691
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.9	35.8	36.0	48.7	36.7	36.8	50.5	20.6	19.0	48.9	19.0	19.8
Incr Delay (d2), s/veh	1.6	3.0	3.2	4.1	5.3	5.6	5.1	0.4	0.2	4.1	0.4	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	3.8	3.8	3.3	5.7	5.7	2.1	3.2	0.8	3.1	3.2	4.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	50.6	38.8	39.2	52.8	42.0	42.4	55.6	21.0	19.3	53.0	19.4	21.2
LnGrp LOS	D	D	D	D	D	D	E	C	B	D	B	C
Approach Vol, veh/h		510			569			512			764	
Approach Delay, s/veh		43.4			44.4			25.9			25.0	
Approach LOS		D			D			C			C	

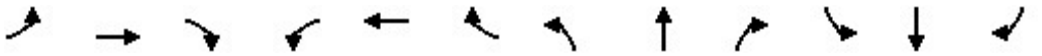
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.9	30.0	10.8	53.3	13.2	30.8	13.5	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	9.2	10.5	6.4	13.0	8.0	14.3	8.8	9.7
Green Ext Time (p_c), s	0.0	1.4	0.0	5.5	0.2	1.7	0.0	4.1

Intersection Summary	
HCM 6th Ctrl Delay	33.9
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	9	644	16	30	656	18	8	0	28	26	1	4
Future Volume (veh/h)	9	644	16	30	656	18	8	0	28	26	1	4
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	10	732	18	34	745	20	9	0	32	30	1	5
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	537	2371	58	544	2365	63	129	0	169	127	2	170
Arrive On Green	0.67	0.67	0.67	0.67	0.67	0.67	0.11	0.00	0.11	0.11	0.11	0.11
Sat Flow, veh/h	702	3542	87	712	3533	95	6	0	1576	6	21	1585
Grp Volume(v), veh/h	10	367	383	34	375	390	9	0	32	31	0	5
Grp Sat Flow(s),veh/h/ln	702	1777	1852	712	1777	1851	6	0	1576	27	0	1585
Q Serve(g_s), s	0.3	4.8	4.8	1.2	4.9	5.0	0.0	0.0	1.0	0.0	0.0	0.2
Cycle Q Clear(g_c), s	5.3	4.8	4.8	6.0	4.9	5.0	6.0	0.0	1.0	6.0	0.0	0.2
Prop In Lane	1.00		0.05	1.00		0.05	1.00		1.00	0.97		1.00
Lane Grp Cap(c), veh/h	537	1189	1240	544	1189	1239	129	0	169	129	0	170
V/C Ratio(X)	0.02	0.31	0.31	0.06	0.31	0.32	0.07	0.00	0.19	0.24	0.00	0.03
Avail Cap(c_a), veh/h	537	1189	1240	544	1189	1239	733	0	844	722	0	849
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	5.0	3.9	3.9	5.1	3.9	3.9	28.0	0.0	22.8	27.6	0.0	22.4
Incr Delay (d2), s/veh	0.1	0.7	0.6	0.2	0.7	0.7	0.2	0.0	0.5	0.9	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.1	1.1	0.1	1.1	1.1	0.1	0.0	0.4	0.4	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	5.0	4.5	4.5	5.3	4.6	4.5	28.2	0.0	23.3	28.5	0.0	22.5
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		760			799			41			36	
Approach Delay, s/veh		4.5			4.6			24.4			27.7	
Approach LOS		A			A			C			C	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		12.0		44.0		12.0				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		7.3		8.0		8.0		8.0				
Green Ext Time (p_c), s		7.1		0.1		7.6		0.1				
Intersection Summary												
HCM 6th Ctrl Delay			5.6									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	14	736	0	0	695	34	0	0	0	35	0	10
Future Vol, veh/h	14	736	0	0	695	34	0	0	0	35	0	10
Conflicting Peds, #/hr	0	0	0	0	0	3	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	16	846	0	0	799	39	0	0	0	40	0	11

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	841	0	0	-	-	0	1278	1719	423	1277	1700	422
Stage 1	-	-	-	-	-	-	878	878	-	822	822	-
Stage 2	-	-	-	-	-	-	400	841	-	455	878	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	790	-	-	0	-	-	123	89	579	123	91	580
Stage 1	-	-	-	0	-	-	309	364	-	334	386	-
Stage 2	-	-	-	0	-	-	597	379	-	554	364	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	788	-	-	-	-	-	119	87	579	121	89	578
Mov Cap-2 Maneuver	-	-	-	-	-	-	119	87	-	121	89	-
Stage 1	-	-	-	-	-	-	303	357	-	326	385	-
Stage 2	-	-	-	-	-	-	585	378	-	543	357	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0	0	40.6
HCM LOS			A	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	788	-	-	-	-	121	578
HCM Lane V/C Ratio	-	0.02	-	-	-	-	0.332	0.02
HCM Control Delay (s)	0	9.7	-	-	-	-	48.9	11.4
HCM Lane LOS	A	A	-	-	-	-	E	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	1.3	0.1

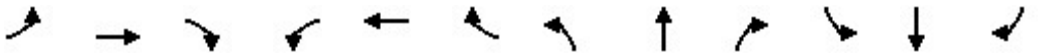
Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	15	740	0	0	715	56	0	0	0	53	0	7
Future Vol, veh/h	15	740	0	0	715	56	0	0	0	53	0	7
Conflicting Peds, #/hr	0	0	0	0	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	16	771	0	0	745	58	0	0	0	55	0	7

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	804	0	0	-	-	0	1176	1607	386	1193	1578	403
Stage 1	-	-	-	-	-	-	803	803	-	775	775	-
Stage 2	-	-	-	-	-	-	373	804	-	418	803	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	816	-	-	0	-	-	147	104	612	142	108	597
Stage 1	-	-	-	0	-	-	343	394	-	357	406	-
Stage 2	-	-	-	0	-	-	620	394	-	583	394	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	815	-	-	-	-	-	143	102	612	140	106	596
Mov Cap-2 Maneuver	-	-	-	-	-	-	143	102	-	140	106	-
Stage 1	-	-	-	-	-	-	336	386	-	350	406	-
Stage 2	-	-	-	-	-	-	612	394	-	572	386	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0	0	42.4
HCM LOS			A	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	815	-	-	-	-	140	596
HCM Lane V/C Ratio	-	0.019	-	-	-	-	0.394	0.012
HCM Control Delay (s)	0	9.5	-	-	-	-	46.5	11.1
HCM Lane LOS	A	A	-	-	-	-	E	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	1.7	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	314	409	94	184	524	123	94	533	107	121	463	159
Future Volume (veh/h)	314	409	94	184	524	123	94	533	107	121	463	159
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	320	417	96	188	535	126	96	544	109	123	472	162
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	382	604	138	216	631	148	120	1404	612	150	1463	640
Arrive On Green	0.11	0.21	0.21	0.12	0.22	0.22	0.07	0.40	0.40	0.08	0.41	0.41
Sat Flow, veh/h	3456	2864	653	1781	2851	668	1781	3554	1549	1781	3554	1555
Grp Volume(v), veh/h	320	257	256	188	333	328	96	544	109	123	472	162
Grp Sat Flow(s),veh/h/ln	1728	1777	1741	1781	1777	1742	1781	1777	1549	1781	1777	1555
Q Serve(g_s), s	10.3	15.2	15.5	11.8	20.4	20.6	6.0	12.4	5.2	7.7	10.3	7.8
Cycle Q Clear(g_c), s	10.3	15.2	15.5	11.8	20.4	20.6	6.0	12.4	5.2	7.7	10.3	7.8
Prop In Lane	1.00		0.38	1.00		0.38	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	382	375	367	216	393	386	120	1404	612	150	1463	640
V/C Ratio(X)	0.84	0.69	0.70	0.87	0.85	0.85	0.80	0.39	0.18	0.82	0.32	0.25
Avail Cap(c_a), veh/h	607	375	367	235	393	386	235	1404	612	235	1463	640
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.6	41.5	41.6	49.2	42.5	42.5	52.3	24.6	22.4	51.3	22.7	22.0
Incr Delay (d2), s/veh	3.0	9.8	10.5	25.0	19.6	20.5	4.5	0.8	0.6	6.4	0.6	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	7.5	7.6	6.6	10.8	10.8	2.8	5.3	2.0	3.7	4.3	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	52.7	51.3	52.1	74.2	62.0	63.0	56.8	25.4	23.0	57.7	23.3	22.9
LnGrp LOS	D	D	D	E	E	E	E	C	C	E	C	C
Approach Vol, veh/h		833			849			749			757	
Approach Delay, s/veh		52.1			65.1			29.1			28.8	
Approach LOS		D			E			C			C	

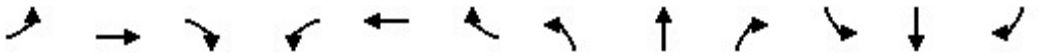
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.8	30.0	12.7	52.4	17.6	31.2	14.6	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	13.8	17.5	8.0	12.3	12.3	22.6	9.7	14.4
Green Ext Time (p_c), s	0.0	1.6	0.0	5.7	0.3	0.6	0.0	6.1

Intersection Summary	
HCM 6th Ctrl Delay	44.6
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	18	342	17	27	414	35	7	5	21	28	0	8
Future Volume (veh/h)	18	342	17	27	414	35	7	5	21	28	0	8
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	20	389	19	31	470	40	8	6	24	32	0	9
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	682	2323	113	747	2236	190	102	46	160	130	0	159
Arrive On Green	0.67	0.67	0.67	0.67	0.67	0.67	0.10	0.10	0.10	0.10	0.00	0.10
Sat Flow, veh/h	890	3444	168	976	3315	281	4	458	1585	7	0	1580
Grp Volume(v), veh/h	20	200	208	31	251	259	14	0	24	32	0	9
Grp Sat Flow(s),veh/h/ln	890	1777	1835	976	1777	1819	462	0	1585	7	0	1580
Q Serve(g_s), s	0.5	2.3	2.3	0.7	3.0	3.0	0.0	0.0	0.8	0.0	0.0	0.3
Cycle Q Clear(g_c), s	3.5	2.3	2.3	3.0	3.0	3.0	5.6	0.0	0.8	5.6	0.0	0.3
Prop In Lane	1.00		0.09	1.00		0.15	0.57		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	682	1199	1238	747	1199	1227	148	0	160	130	0	159
V/C Ratio(X)	0.03	0.17	0.17	0.04	0.21	0.21	0.09	0.00	0.15	0.25	0.00	0.06
Avail Cap(c_a), veh/h	682	1199	1238	747	1199	1227	838	0	855	736	0	853
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	4.1	3.3	3.3	3.9	3.4	3.4	22.8	0.0	22.8	27.8	0.0	22.6
Incr Delay (d2), s/veh	0.1	0.3	0.3	0.1	0.4	0.4	0.3	0.0	0.4	1.0	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.5	0.5	0.1	0.6	0.6	0.2	0.0	0.3	0.4	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	4.2	3.6	3.6	4.0	3.8	3.8	23.1	0.0	23.3	28.8	0.0	22.8
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		428			541			38			41	
Approach Delay, s/veh		3.6			3.8			23.2			27.4	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		11.6		44.0		11.6				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		5.5		7.6		5.0		7.6				
Green Ext Time (p_c), s		3.6		0.1		4.7		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			5.4									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	6	410	0	0	523	9	0	0	0	5	0	3
Future Vol, veh/h	6	410	0	0	523	9	0	0	0	5	0	3
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	7	461	0	0	588	10	0	0	0	6	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	600	0	0	-	-	0	769	1075	231	840	1070	301
Stage 1	-	-	-	-	-	-	475	475	-	595	595	-
Stage 2	-	-	-	-	-	-	294	600	-	245	475	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	973	-	-	0	-	-	291	218	771	258	220	695
Stage 1	-	-	-	0	-	-	539	556	-	458	491	-
Stage 2	-	-	-	0	-	-	690	488	-	737	556	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	971	-	-	-	-	-	288	216	771	256	218	694
Mov Cap-2 Maneuver	-	-	-	-	-	-	288	216	-	256	218	-
Stage 1	-	-	-	-	-	-	535	552	-	454	490	-
Stage 2	-	-	-	-	-	-	687	487	-	732	552	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	16
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	971	-	-	-	-	256	694
HCM Lane V/C Ratio	-	0.007	-	-	-	-	0.022	0.005
HCM Control Delay (s)	0	8.7	-	-	-	-	19.4	10.2
HCM Lane LOS	A	A	-	-	-	-	C	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.1	0

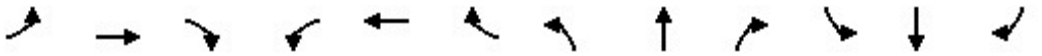
Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	402	0	0	525	9	0	0	0	18	0	4
Future Vol, veh/h	3	402	0	0	525	9	0	0	0	18	0	4
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	452	0	0	590	10	0	0	0	20	0	4

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	602	0	0	-	-	0	753	1060	226	829	1055	302
Stage 1	-	-	-	-	-	-	458	458	-	597	597	-
Stage 2	-	-	-	-	-	-	295	602	-	232	458	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	971	-	-	0	-	-	298	223	777	263	224	694
Stage 1	-	-	-	0	-	-	552	565	-	456	490	-
Stage 2	-	-	-	0	-	-	689	487	-	750	565	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	969	-	-	-	-	-	295	222	777	262	223	693
Mov Cap-2 Maneuver	-	-	-	-	-	-	295	222	-	262	223	-
Stage 1	-	-	-	-	-	-	550	563	-	454	489	-
Stage 2	-	-	-	-	-	-	685	486	-	748	563	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	18.1
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	969	-	-	-	-	262	693
HCM Lane V/C Ratio	-	0.003	-	-	-	-	0.077	0.006
HCM Control Delay (s)	0	8.7	-	-	-	-	19.9	10.2
HCM Lane LOS	A	A	-	-	-	-	C	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.2	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	151	214	54	112	316	85	53	358	49	107	380	181
Future Volume (veh/h)	151	214	54	112	316	85	53	358	49	107	380	181
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	168	238	60	124	351	94	59	398	54	119	422	201
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	231	622	154	152	664	175	76	1471	643	146	1612	708
Arrive On Green	0.07	0.22	0.22	0.09	0.24	0.24	0.04	0.41	0.41	0.08	0.45	0.45
Sat Flow, veh/h	3456	2819	695	1781	2777	734	1781	3554	1552	1781	3554	1560
Grp Volume(v), veh/h	168	148	150	124	223	222	59	398	54	119	422	201
Grp Sat Flow(s),veh/h/ln	1728	1777	1737	1781	1777	1734	1781	1777	1552	1781	1777	1560
Q Serve(g_s), s	5.2	7.7	8.0	7.4	11.9	12.2	3.6	8.0	2.3	7.1	8.0	8.8
Cycle Q Clear(g_c), s	5.2	7.7	8.0	7.4	11.9	12.2	3.6	8.0	2.3	7.1	8.0	8.8
Prop In Lane	1.00		0.40	1.00		0.42	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	231	392	384	152	425	414	76	1471	643	146	1612	708
V/C Ratio(X)	0.73	0.38	0.39	0.82	0.52	0.54	0.78	0.27	0.08	0.81	0.26	0.28
Avail Cap(c_a), veh/h	636	392	384	246	425	414	246	1471	643	246	1612	708
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.7	36.0	36.1	48.9	36.0	36.1	51.5	21.0	19.3	49.1	18.4	18.6
Incr Delay (d2), s/veh	1.6	2.8	3.0	4.4	4.6	4.9	6.2	0.5	0.3	4.1	0.4	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	3.6	3.6	3.4	5.5	5.6	1.7	3.4	0.9	3.3	3.3	3.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	51.3	38.7	39.1	53.3	40.6	41.0	57.7	21.5	19.6	53.1	18.8	19.6
LnGrp LOS	D	D	D	D	D	D	E	C	B	D	B	B
Approach Vol, veh/h		466			569			511			742	
Approach Delay, s/veh		43.4			43.5			25.4			24.5	
Approach LOS		D			D			C			C	

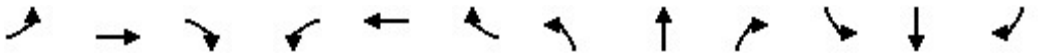
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.3	30.0	9.6	54.8	12.3	32.0	13.9	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	9.4	10.0	5.6	10.8	7.2	14.2	9.1	10.0
Green Ext Time (p_c), s	0.0	1.3	0.0	5.5	0.1	1.7	0.0	4.2

Intersection Summary	
HCM 6th Ctrl Delay	33.3
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	649	18	23	671	21	11	0	20	28	2	6
Future Volume (veh/h)	10	649	18	23	671	21	11	0	20	28	2	6
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	738	20	26	762	24	12	0	23	32	2	7
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	527	2366	64	541	2355	74	129	0	168	125	4	169
Arrive On Green	0.67	0.67	0.67	0.67	0.67	0.67	0.11	0.00	0.11	0.11	0.11	0.11
Sat Flow, veh/h	689	3531	96	706	3514	111	5	0	1576	5	40	1585
Grp Volume(v), veh/h	11	371	387	26	385	401	12	0	23	34	0	7
Grp Sat Flow(s),veh/h/ln	689	1777	1850	706	1777	1847	5	0	1576	44	0	1585
Q Serve(g_s), s	0.4	4.9	4.9	0.9	5.1	5.1	0.0	0.0	0.7	0.0	0.0	0.2
Cycle Q Clear(g_c), s	5.5	4.9	4.9	5.8	5.1	5.1	6.0	0.0	0.7	6.0	0.0	0.2
Prop In Lane	1.00		0.05	1.00		0.06	1.00		1.00	0.94		1.00
Lane Grp Cap(c), veh/h	527	1191	1240	541	1191	1238	129	0	168	130	0	169
V/C Ratio(X)	0.02	0.31	0.31	0.05	0.32	0.32	0.09	0.00	0.14	0.26	0.00	0.04
Avail Cap(c_a), veh/h	527	1191	1240	541	1191	1238	733	0	845	734	0	850
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	5.0	3.8	3.8	5.0	3.9	3.9	28.0	0.0	22.7	27.3	0.0	22.4
Incr Delay (d2), s/veh	0.1	0.7	0.7	0.2	0.7	0.7	0.3	0.0	0.4	1.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.1	1.1	0.1	1.1	1.2	0.2	0.0	0.3	0.5	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	5.1	4.5	4.5	5.2	4.6	4.6	28.3	0.0	23.0	28.3	0.0	22.5
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		769			812			35			41	
Approach Delay, s/veh		4.5			4.6			24.8			27.3	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		12.0		44.0		12.0				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		7.5		8.0		7.8		8.0				
Green Ext Time (p_c), s		7.2		0.1		7.7		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			5.6									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	747	0	0	703	9	0	0	0	7	0	9
Future Vol, veh/h	4	747	0	0	703	9	0	0	0	7	0	9
Conflicting Peds, #/hr	0	0	0	0	0	3	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	5	859	0	0	808	10	0	0	0	8	0	10

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	821	0	0	-	-	0	1273	1690	430	1256	1685	412
Stage 1	-	-	-	-	-	-	869	869	-	816	816	-
Stage 2	-	-	-	-	-	-	404	821	-	440	869	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	804	-	-	0	-	-	124	92	573	128	93	589
Stage 1	-	-	-	0	-	-	313	367	-	337	389	-
Stage 2	-	-	-	0	-	-	594	387	-	566	367	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	802	-	-	-	-	-	121	91	573	127	92	587
Mov Cap-2 Maneuver	-	-	-	-	-	-	121	91	-	127	92	-
Stage 1	-	-	-	-	-	-	311	365	-	334	388	-
Stage 2	-	-	-	-	-	-	584	386	-	562	365	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	21.7
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	802	-	-	-	-	127	587
HCM Lane V/C Ratio	-	0.006	-	-	-	-	0.063	0.018
HCM Control Delay (s)	0	9.5	-	-	-	-	35.3	11.2
HCM Lane LOS	A	A	-	-	-	-	E	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.2	0.1

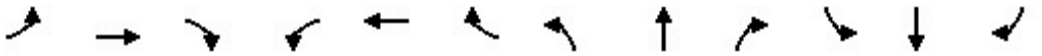
Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	734	0	0	712	18	0	0	0	24	0	6
Future Vol, veh/h	4	734	0	0	712	18	0	0	0	24	0	6
Conflicting Peds, #/hr	0	0	0	0	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	4	765	0	0	742	19	0	0	0	25	0	6

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	762	0	0	-	-	0	1144	1535	383	1144	1526	382
Stage 1	-	-	-	-	-	-	773	773	-	753	753	-
Stage 2	-	-	-	-	-	-	371	762	-	391	773	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	846	-	-	0	-	-	155	115	615	155	117	616
Stage 1	-	-	-	0	-	-	358	407	-	368	416	-
Stage 2	-	-	-	0	-	-	622	412	-	605	407	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	845	-	-	-	-	-	153	114	615	154	116	615
Mov Cap-2 Maneuver	-	-	-	-	-	-	153	114	-	154	116	-
Stage 1	-	-	-	-	-	-	356	405	-	366	416	-
Stage 2	-	-	-	-	-	-	616	412	-	602	405	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	28.5
HCM LOS			A	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	845	-	-	-	-	154	615
HCM Lane V/C Ratio	-	0.005	-	-	-	-	0.162	0.01
HCM Control Delay (s)	0	9.3	-	-	-	-	32.9	10.9
HCM Lane LOS	A	A	-	-	-	-	D	B
HCM 95th %tile Q(veh)	-	0	-	-	-	-	0.6	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	290	409	84	190	526	127	83	550	111	125	478	128
Future Volume (veh/h)	290	409	84	190	526	127	83	550	111	125	478	128
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	296	417	86	194	537	130	85	561	113	128	488	131
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	358	613	125	221	652	157	108	1394	607	155	1488	651
Arrive On Green	0.10	0.21	0.21	0.12	0.23	0.23	0.06	0.39	0.39	0.09	0.42	0.42
Sat Flow, veh/h	3456	2929	599	1781	2834	683	1781	3554	1549	1781	3554	1555
Grp Volume(v), veh/h	296	251	252	194	336	331	85	561	113	128	488	131
Grp Sat Flow(s),veh/h/ln	1728	1777	1751	1781	1777	1740	1781	1777	1549	1781	1777	1555
Q Serve(g_s), s	9.6	15.0	15.2	12.3	20.6	20.8	5.4	13.1	5.5	8.1	10.6	6.1
Cycle Q Clear(g_c), s	9.6	15.0	15.2	12.3	20.6	20.8	5.4	13.1	5.5	8.1	10.6	6.1
Prop In Lane	1.00		0.34	1.00		0.39	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	358	372	366	221	409	400	108	1394	607	155	1488	651
V/C Ratio(X)	0.83	0.68	0.69	0.88	0.82	0.83	0.79	0.40	0.19	0.83	0.33	0.20
Avail Cap(c_a), veh/h	602	372	366	233	409	400	233	1394	607	233	1488	651
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.4	41.8	41.9	49.4	41.9	42.0	53.2	25.2	22.9	51.5	22.5	21.2
Incr Delay (d2), s/veh	1.9	9.5	10.1	26.9	16.8	17.6	4.8	0.9	0.7	8.5	0.6	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.2	7.4	7.4	7.0	10.7	10.6	2.5	5.6	2.1	4.0	4.5	2.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	52.3	51.3	52.0	76.2	58.8	59.6	58.0	26.0	23.5	60.1	23.1	21.9
LnGrp LOS	D	D	D	E	E	E	E	C	C	E	C	C
Approach Vol, veh/h		799			861			759			747	
Approach Delay, s/veh		51.9			63.0			29.2			29.2	
Approach LOS		D			E			C			C	

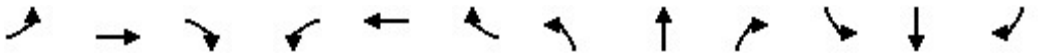
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	19.3	30.0	11.9	53.5	16.9	32.4	15.0	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	14.3	17.2	7.4	12.6	11.6	22.8	10.1	15.1
Green Ext Time (p_c), s	0.0	1.6	0.0	5.7	0.2	0.5	0.0	6.3

Intersection Summary	
HCM 6th Ctrl Delay	44.1
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	18	367	17	35	435	37	7	5	31	30	0	8
Future Volume (veh/h)	18	367	17	35	435	37	7	5	31	30	0	8
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	20	417	19	40	494	42	8	6	35	34	0	9
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	640	2257	103	701	2165	184	100	48	205	128	0	205
Arrive On Green	0.65	0.65	0.65	0.65	0.65	0.65	0.13	0.13	0.13	0.13	0.00	0.13
Sat Flow, veh/h	868	3457	157	951	3315	281	8	367	1585	18	0	1581
Grp Volume(v), veh/h	20	214	222	40	264	272	14	0	35	34	0	9
Grp Sat Flow(s),veh/h/ln	868	1777	1837	951	1777	1820	375	0	1585	18	0	1581
Q Serve(g_s), s	0.6	2.7	2.7	1.0	3.5	3.5	0.1	0.0	1.1	0.1	0.0	0.3
Cycle Q Clear(g_c), s	4.0	2.7	2.7	3.7	3.5	3.5	7.4	0.0	1.1	7.4	0.0	0.3
Prop In Lane	1.00		0.09	1.00		0.15	0.57		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	640	1160	1200	701	1160	1188	147	0	205	128	0	205
V/C Ratio(X)	0.03	0.18	0.19	0.06	0.23	0.23	0.10	0.00	0.17	0.27	0.00	0.04
Avail Cap(c_a), veh/h	640	1160	1200	701	1160	1188	765	0	828	664	0	826
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	4.9	3.9	3.9	4.7	4.1	4.1	22.2	0.0	22.3	28.7	0.0	21.9
Incr Delay (d2), s/veh	0.1	0.4	0.3	0.2	0.5	0.4	0.3	0.0	0.4	1.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.6	0.7	0.2	0.8	0.9	0.2	0.0	0.4	0.5	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	5.0	4.3	4.3	4.8	4.5	4.5	22.5	0.0	22.6	29.8	0.0	22.0
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		456			576			49			43	
Approach Delay, s/veh		4.3			4.5			22.6			28.2	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		13.5		44.0		13.5				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		6.0		9.4		5.7		9.4				
Green Ext Time (p_c), s		3.9		0.1		5.1		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			6.1									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	428	0	0	538	51	0	0	0	41	0	18
Future Vol, veh/h	24	428	0	0	538	51	0	0	0	41	0	18
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	27	481	0	0	604	57	0	0	0	46	0	20

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	663	0	0	-	-	0	837	1198	241	930	1170	333
Stage 1	-	-	-	-	-	-	535	535	-	635	635	-
Stage 2	-	-	-	-	-	-	302	663	-	295	535	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	922	-	-	0	-	-	259	184	760	222	192	663
Stage 1	-	-	-	0	-	-	497	522	-	433	471	-
Stage 2	-	-	-	0	-	-	682	457	-	689	522	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	920	-	-	-	-	-	246	178	760	217	186	662
Mov Cap-2 Maneuver	-	-	-	-	-	-	246	178	-	217	186	-
Stage 1	-	-	-	-	-	-	483	507	-	420	470	-
Stage 2	-	-	-	-	-	-	661	456	-	669	507	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0	0	21.3
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	920	-	-	-	-	217	662
HCM Lane V/C Ratio	-	0.029	-	-	-	-	0.212	0.031
HCM Control Delay (s)	0	9	-	-	-	-	26	10.6
HCM Lane LOS	A	A	-	-	-	-	D	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	0.8	0.1

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	21	438	0	0	567	51	0	0	0	54	0	19
Future Vol, veh/h	21	438	0	0	567	51	0	0	0	54	0	19
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	24	492	0	0	637	57	0	0	0	61	0	21

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	696	0	0	-	-	0	859	1236	246	962	1208	349
Stage 1	-	-	-	-	-	-	540	540	-	668	668	-
Stage 2	-	-	-	-	-	-	319	696	-	294	540	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	896	-	-	0	-	-	250	175	754	210	182	647
Stage 1	-	-	-	0	-	-	494	519	-	414	455	-
Stage 2	-	-	-	0	-	-	667	441	-	690	519	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	894	-	-	-	-	-	237	170	754	205	177	646
Mov Cap-2 Maneuver	-	-	-	-	-	-	237	170	-	205	177	-
Stage 1	-	-	-	-	-	-	481	505	-	402	454	-
Stage 2	-	-	-	-	-	-	645	440	-	671	505	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0	0	24.9
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	894	-	-	-	-	205	646
HCM Lane V/C Ratio	-	0.026	-	-	-	-	0.296	0.033
HCM Control Delay (s)	0	9.1	-	-	-	-	29.8	10.8
HCM Lane LOS	A	A	-	-	-	-	D	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	1.2	0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	192	230	70	112	334	85	71	358	49	107	380	229
Future Volume (veh/h)	192	230	70	112	334	85	71	358	49	107	380	229
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	213	256	78	124	371	94	79	398	54	119	422	254
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	278	595	177	152	634	159	101	1471	643	146	1562	686
Arrive On Green	0.08	0.22	0.22	0.09	0.23	0.23	0.06	0.41	0.41	0.08	0.44	0.44
Sat Flow, veh/h	3456	2693	801	1781	2812	704	1781	3554	1552	1781	3554	1560
Grp Volume(v), veh/h	213	167	167	124	233	232	79	398	54	119	422	254
Grp Sat Flow(s),veh/h/ln	1728	1777	1717	1781	1777	1739	1781	1777	1552	1781	1777	1560
Q Serve(g_s), s	6.6	8.8	9.1	7.4	12.7	13.0	4.8	8.0	2.3	7.1	8.2	11.8
Cycle Q Clear(g_c), s	6.6	8.8	9.1	7.4	12.7	13.0	4.8	8.0	2.3	7.1	8.2	11.8
Prop In Lane	1.00		0.47	1.00		0.40	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	278	392	379	152	401	392	101	1471	643	146	1562	686
V/C Ratio(X)	0.77	0.43	0.44	0.82	0.58	0.59	0.78	0.27	0.08	0.81	0.27	0.37
Avail Cap(c_a), veh/h	636	392	379	246	401	392	246	1471	643	246	1562	686
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.0	36.4	36.5	48.9	37.5	37.6	50.6	21.0	19.3	49.1	19.4	20.4
Incr Delay (d2), s/veh	1.7	3.4	3.7	4.4	6.0	6.4	4.9	0.5	0.3	4.1	0.4	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	4.1	4.1	3.4	6.0	6.1	2.2	3.4	0.9	3.3	3.4	4.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	50.7	39.8	40.2	53.3	43.5	44.0	55.5	21.5	19.6	53.1	19.8	21.9
LnGrp LOS	D	D	D	D	D	D	E	C	B	D	B	C
Approach Vol, veh/h		547			589			531			795	
Approach Delay, s/veh		44.1			45.8			26.3			25.5	
Approach LOS		D			D			C			C	

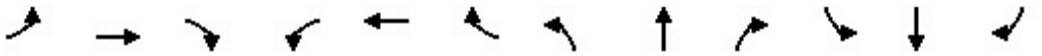
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.3	30.0	11.2	53.3	13.7	30.5	13.9	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	9.4	11.1	6.8	13.8	8.6	15.0	9.1	10.0
Green Ext Time (p_c), s	0.0	1.4	0.0	5.7	0.2	1.7	0.0	4.2

Intersection Summary	
HCM 6th Ctrl Delay	34.7
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	672	18	31	691	23	11	0	29	30	2	6
Future Volume (veh/h)	10	672	18	31	691	23	11	0	29	30	2	6
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	764	20	35	785	26	12	0	33	34	2	7
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	494	2295	60	506	2277	75	126	0	212	122	4	213
Arrive On Green	0.65	0.65	0.65	0.65	0.65	0.65	0.13	0.00	0.13	0.13	0.13	0.13
Sat Flow, veh/h	673	3535	93	689	3507	116	10	0	1578	9	29	1585
Grp Volume(v), veh/h	11	384	400	35	398	413	12	0	33	36	0	7
Grp Sat Flow(s),veh/h/ln	673	1777	1851	689	1777	1846	10	0	1578	38	0	1585
Q Serve(g_s), s	0.4	5.6	5.6	1.4	5.8	5.8	0.1	0.0	1.1	0.1	0.0	0.2
Cycle Q Clear(g_c), s	6.2	5.6	5.6	6.9	5.8	5.8	7.8	0.0	1.1	7.8	0.0	0.2
Prop In Lane	1.00		0.05	1.00		0.06	1.00		1.00	0.94		1.00
Lane Grp Cap(c), veh/h	494	1154	1202	506	1154	1199	126	0	212	126	0	213
V/C Ratio(X)	0.02	0.33	0.33	0.07	0.34	0.34	0.10	0.00	0.16	0.29	0.00	0.03
Avail Cap(c_a), veh/h	494	1154	1202	506	1154	1199	667	0	820	663	0	823
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	6.0	4.5	4.5	6.1	4.6	4.6	28.9	0.0	22.1	28.1	0.0	21.7
Incr Delay (d2), s/veh	0.1	0.8	0.7	0.3	0.8	0.8	0.3	0.0	0.3	1.2	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	1.4	1.4	0.2	1.4	1.5	0.2	0.0	0.4	0.5	0.0	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.1	5.3	5.3	6.3	5.4	5.4	29.2	0.0	22.4	29.3	0.0	21.8
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		795			846			45			43	
Approach Delay, s/veh		5.3			5.4			24.2			28.1	
Approach LOS		A			A			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		13.8		44.0		13.8				
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0				
Max Green Setting (Gmax), s		37.5		30.0		37.5		30.0				
Max Q Clear Time (g_c+I1), s		8.2		9.8		8.9		9.8				
Green Ext Time (p_c), s		7.5		0.1		8.1		0.1				

Intersection Summary												
HCM 6th Ctrl Delay			6.4									
HCM 6th LOS			A									

Intersection	
Int Delay, s/veh	1.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	15	770	0	0	731	35	0	0	0	36	0	11
Future Vol, veh/h	15	770	0	0	731	35	0	0	0	36	0	11
Conflicting Peds, #/hr	0	0	0	0	0	3	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	80	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	17	885	0	0	840	40	0	0	0	41	0	13

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	883	0	0	-	-	0	1339	1802	443	1340	1782	443
Stage 1	-	-	-	-	-	-	919	919	-	863	863	-
Stage 2	-	-	-	-	-	-	420	883	-	477	919	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	762	-	-	0	-	-	111	79	562	111	81	562
Stage 1	-	-	-	0	-	-	292	348	-	316	370	-
Stage 2	-	-	-	0	-	-	581	362	-	538	348	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	760	-	-	-	-	-	107	77	562	109	79	560
Mov Cap-2 Maneuver	-	-	-	-	-	-	107	77	-	109	79	-
Stage 1	-	-	-	-	-	-	286	340	-	308	369	-
Stage 2	-	-	-	-	-	-	568	361	-	526	340	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0	0	46.4
HCM LOS			A	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	760	-	-	-	-	109	560
HCM Lane V/C Ratio	-	0.023	-	-	-	-	0.38	0.023
HCM Control Delay (s)	0	9.8	-	-	-	-	57	11.6
HCM Lane LOS	A	A	-	-	-	-	F	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	1.6	0.1

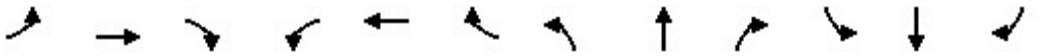
Intersection	
Int Delay, s/veh	1.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	16	774	0	0	751	57	0	0	0	54	0	8
Future Vol, veh/h	16	774	0	0	751	57	0	0	0	54	0	8
Conflicting Peds, #/hr	0	0	0	0	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	100	-	-	-	-	-	-	-	-	-	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	17	806	0	0	782	59	0	0	0	56	0	8

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	842	0	0	-	-	0	1231	1682	403	1250	1653	422
Stage 1	-	-	-	-	-	-	840	840	-	813	813	-
Stage 2	-	-	-	-	-	-	391	842	-	437	840	-
Critical Hdwy	4.14	-	-	-	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	-	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	789	-	-	0	-	-	134	94	597	129	97	580
Stage 1	-	-	-	0	-	-	326	379	-	339	390	-
Stage 2	-	-	-	0	-	-	605	378	-	568	379	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	788	-	-	-	-	-	130	92	597	127	95	579
Mov Cap-2 Maneuver	-	-	-	-	-	-	130	92	-	127	95	-
Stage 1	-	-	-	-	-	-	319	371	-	331	390	-
Stage 2	-	-	-	-	-	-	596	378	-	556	371	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0	0	48.7
HCM LOS			A	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	788	-	-	-	-	127	579
HCM Lane V/C Ratio	-	0.021	-	-	-	-	0.443	0.014
HCM Control Delay (s)	0	9.7	-	-	-	-	54.2	11.3
HCM Lane LOS	A	A	-	-	-	-	F	B
HCM 95th %tile Q(veh)	-	0.1	-	-	-	-	2	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	330	424	99	190	543	127	100	550	111	125	478	172
Future Volume (veh/h)	330	424	99	190	543	127	100	550	111	125	478	172
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	337	433	101	194	554	130	102	561	113	128	488	176
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	399	597	138	221	622	145	127	1394	607	155	1449	634
Arrive On Green	0.12	0.21	0.21	0.12	0.22	0.22	0.07	0.39	0.39	0.09	0.41	0.41
Sat Flow, veh/h	3456	2856	660	1781	2853	667	1781	3554	1549	1781	3554	1555
Grp Volume(v), veh/h	337	268	266	194	344	340	102	561	113	128	488	176
Grp Sat Flow(s),veh/h/ln	1728	1777	1739	1781	1777	1743	1781	1777	1549	1781	1777	1555
Q Serve(g_s), s	11.0	16.1	16.4	12.3	21.6	21.7	6.5	13.1	5.5	8.1	10.8	8.7
Cycle Q Clear(g_c), s	11.0	16.1	16.4	12.3	21.6	21.7	6.5	13.1	5.5	8.1	10.8	8.7
Prop In Lane	1.00		0.38	1.00		0.38	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	399	372	364	221	388	380	127	1394	607	155	1449	634
V/C Ratio(X)	0.85	0.72	0.73	0.88	0.89	0.89	0.80	0.40	0.19	0.83	0.34	0.28
Avail Cap(c_a), veh/h	602	372	364	233	388	380	233	1394	607	233	1449	634
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.8	42.3	42.4	49.4	43.5	43.6	52.5	25.2	22.9	51.5	23.3	22.7
Incr Delay (d2), s/veh	4.4	11.5	12.2	26.9	24.7	25.8	4.4	0.9	0.7	8.5	0.6	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.9	8.1	8.1	7.0	11.9	11.8	3.0	5.6	2.1	4.0	4.6	3.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	54.2	53.7	54.6	76.2	68.2	69.4	56.9	26.0	23.5	60.1	23.9	23.8
LnGrp LOS	D	D	D	E	E	E	E	C	C	E	C	C
Approach Vol, veh/h		871			878			776			792	
Approach Delay, s/veh		54.2			70.4			29.7			29.7	
Approach LOS		D			E			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	19.3	30.0	13.2	52.3	18.2	31.0	15.0	50.5
Change Period (Y+Rc), s	5.0	6.0	5.0	5.5	5.0	6.0	5.0	* 5.5
Max Green Setting (Gmax), s	15.0	24.0	15.0	44.5	20.0	24.0	15.0	* 45
Max Q Clear Time (g_c+I1), s	14.3	18.4	8.5	12.8	13.0	23.7	10.1	15.1
Green Ext Time (p_c), s	0.0	1.5	0.0	6.0	0.3	0.1	0.0	6.3

Intersection Summary	
HCM 6th Ctrl Delay	46.9
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection: 2: Dwy/Flallon Ave & Artesia Blvd

Movement	EB	WB	SB	SB
Directions Served	L	TR	LT	R
Maximum Queue (ft)	38	7	73	46
Average Queue (ft)	4	0	24	16
95th Queue (ft)	20	4	54	48
Link Distance (ft)		210	659	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	80			25
Storage Blk Time (%)			14	2
Queuing Penalty (veh)			2	1

Intersection: 3: Dwy/Alburtis Ave & Artesia Blvd

Movement	EB	SB	SB
Directions Served	L	LT	R
Maximum Queue (ft)	39	109	44
Average Queue (ft)	4	37	8
95th Queue (ft)	19	76	35
Link Distance (ft)		620	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	100		50
Storage Blk Time (%)		8	0
Queuing Penalty (veh)		1	0

Zone Summary

Zone wide Queuing Penalty: 3

Intersection: 2: Dwy/Flallon Ave & Artesia Blvd

Movement	EB	WB	SB	SB
Directions Served	L	TR	LT	R
Maximum Queue (ft)	23	9	81	50
Average Queue (ft)	3	0	31	14
95th Queue (ft)	14	5	65	46
Link Distance (ft)		210	659	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	80			25
Storage Blk Time (%)			19	2
Queuing Penalty (veh)			2	1

Intersection: 3: Dwy/Alburtis Ave & Artesia Blvd

Movement	EB	WB	SB	SB
Directions Served	L	TR	LT	R
Maximum Queue (ft)	24	18	73	43
Average Queue (ft)	4	1	33	7
95th Queue (ft)	19	9	69	29
Link Distance (ft)		432	620	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	100			50
Storage Blk Time (%)			7	0
Queuing Penalty (veh)			1	0

Zone Summary

Zone wide Queuing Penalty: 3

APPENDIX D

TRIP GENERATION EXERPTS

Land Use: 220
Multifamily Housing (Low-Rise)

Description

Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels). Various configurations fit this description, including walkup apartment, mansion apartment, and stacked townhouse.

- A walkup apartment typically is two or three floors in height with dwelling units that are accessed by a single or multiple entrances with stairways and hallways.

- A mansion apartment is a single structure that contains several apartments within what appears to be a single-family dwelling unit.

- A fourplex is a single two-story structure with two matching dwelling units on the ground and second floors. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.

- A stacked townhouse is designed to match the external appearance of a townhouse. But, unlike a townhouse dwelling unit that only shares walls with an adjoining unit, the stacked townhouse units share both floors and walls. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.

Multifamily housing (mid-rise) (Land Use 221), multifamily housing (high-rise) (Land Use 222), affordable housing (Land Use 223), and off-campus student apartment (low-rise) (Land Use 225) are related land uses.

Land Use Subcategory

Data are presented for two subcategories for this land use: (1) not close to rail transit and (2) close to rail transit. A site is considered close to rail transit if the walking distance between the residential site entrance and the closest rail transit station entrance is ½ mile or less.

Additional Data

For the three sites for which both the number of residents and the number of occupied dwelling units were available, there were an average of 2.72 residents per occupied dwelling unit.

For the two sites for which the numbers of both total dwelling units and occupied dwelling units were available, an average of 96.2 percent of the total dwelling units were occupied.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip

generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

For the three sites for which data were provided for both occupied dwelling units and residents, there was an average of 2.72 residents per occupied dwelling unit.

It is expected that the number of bedrooms and number of residents are likely correlated to the trips generated by a residential site. To assist in future analysis, trip generation studies of all multifamily housing should attempt to obtain information on occupancy rate and on the mix of residential unit sizes (i.e., number of units by number of bedrooms at the site complex).

The sites were surveyed in the 1980s, the 1990s, the 2000s, the 2010s, and the 2020s in British Columbia (CAN), California, Delaware, Florida, Georgia, Illinois, Indiana, Maine, Maryland, Massachusetts, Minnesota, New Jersey, Ontario (CAN), Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, and Washington.

Source Numbers

188, 204, 237, 300, 305, 306, 320, 321, 357, 390, 412, 525, 530, 579, 583, 638, 864, 866, 896, 901, 903, 904, 936, 939, 944, 946, 947, 948, 963, 964, 966, 967, 1012, 1013, 1014, 1036, 1047, 1056, 1071, 1076

Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

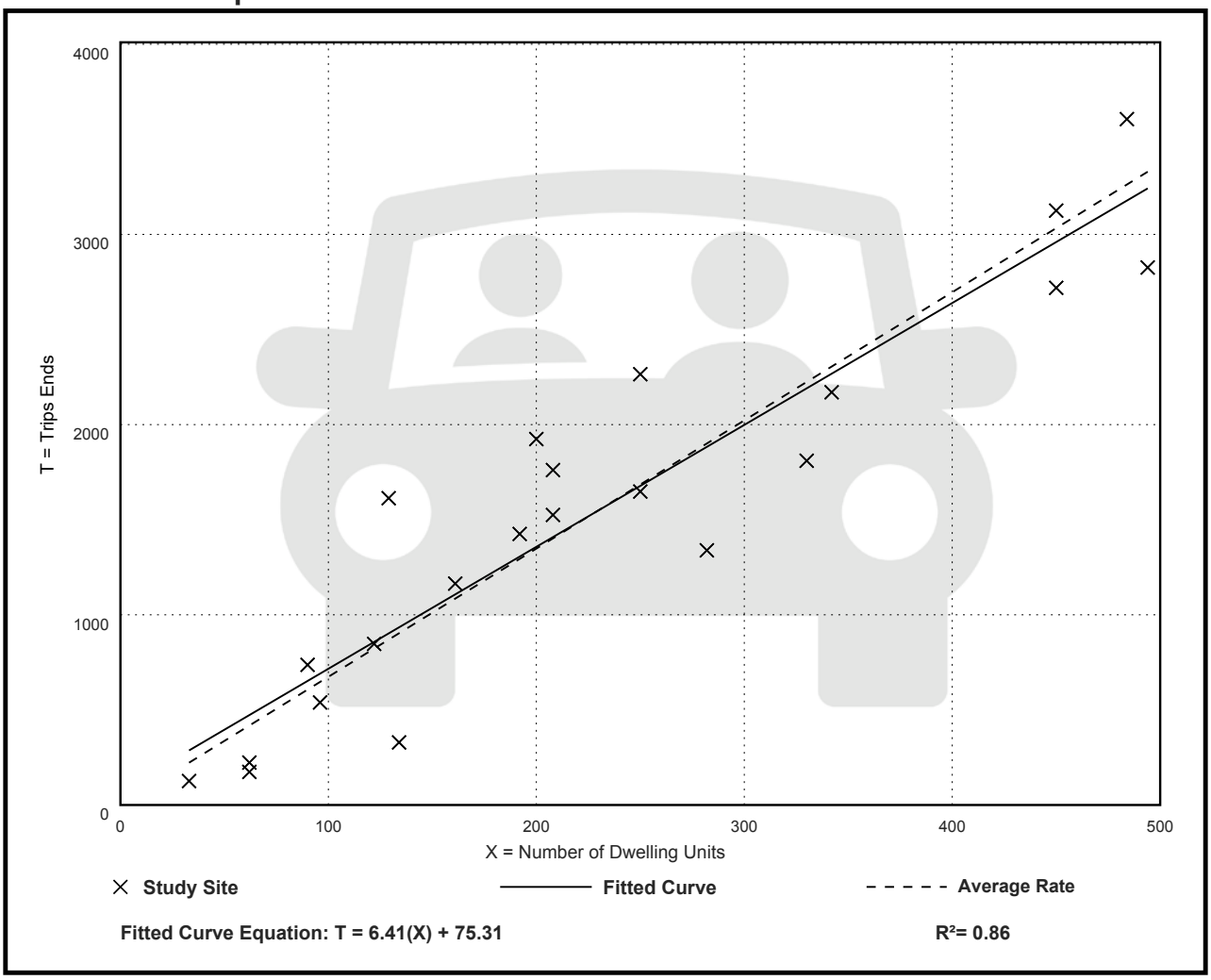
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 22
Avg. Num. of Dwelling Units: 229
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
6.74	2.46 - 12.50	1.79

Data Plot and Equation



Fitted Curve Equation: T = 6.41(X) + 75.31

R^2= 0.86

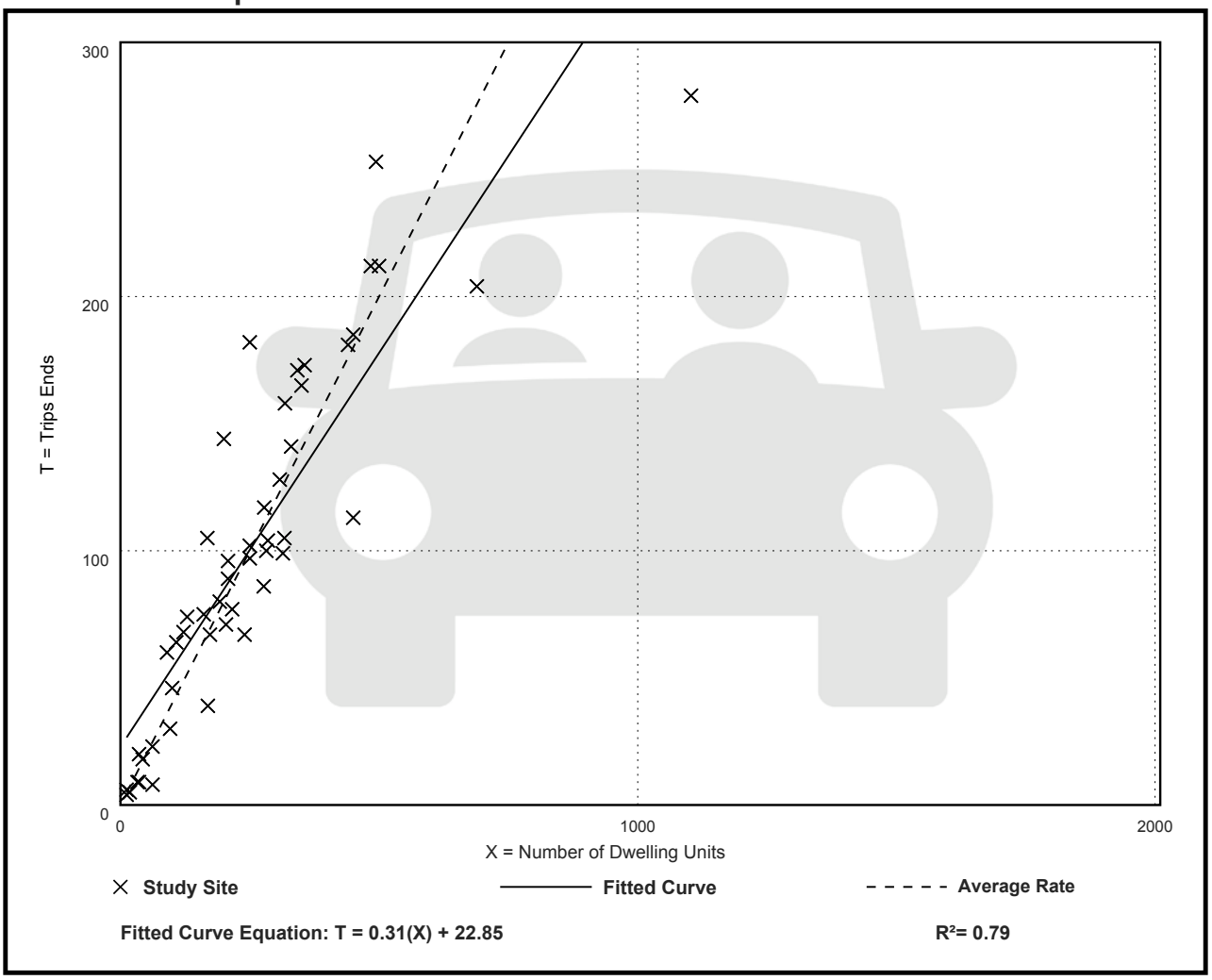
Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 49
Avg. Num. of Dwelling Units: 249
Directional Distribution: 24% entering, 76% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.40	0.13 - 0.73	0.12

Data Plot and Equation



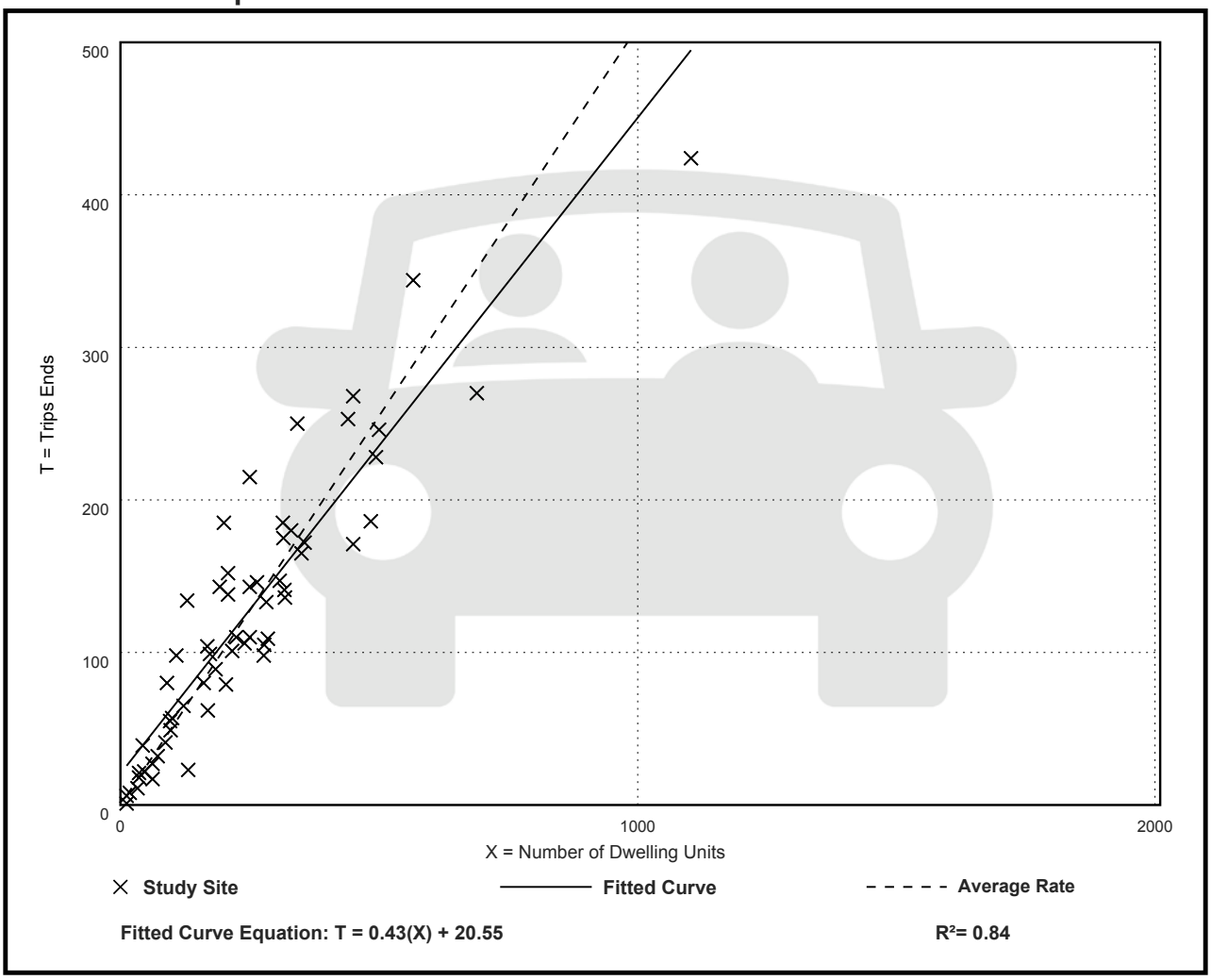
Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 59
Avg. Num. of Dwelling Units: 241
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.51	0.08 - 1.04	0.15

Data Plot and Equation



Land Use: 712
Small Office Building

Description

A small office building is the same as a general office building (Land Use 710) but with less than or equal to 10,000 square feet of gross floor area. The building typically houses a single tenant. It is a location where affairs of a business, commercial or industrial organization, or professional person or firm are conducted. General office building (Land Use 710) is a related use.

Additional Data

Attorney office, mortgage company, financial advisor, insurance agency, home health care provider, and real estate company are examples of tenants included in the small office building database. The diversity of employer types results in a wide range in employee density in the database. Densities range from a high of 1,300 to a low of 240 square feet per employee with an overall average of nearly 600 square feet per employee (a value much larger than the average observed in a general office building study sites).

In addition to the significant difference in employee density, small office buildings tend to be dominated by a single tenant (or very few) that are more service-oriented than a typical general office building. The result is more frequent and regular visitors and higher trip generation rates.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s and the 2010s in Alberta (CAN), California, Texas, and Wisconsin.

Source Numbers

418, 890, 891, 959, 976

Small Office Building
(712)

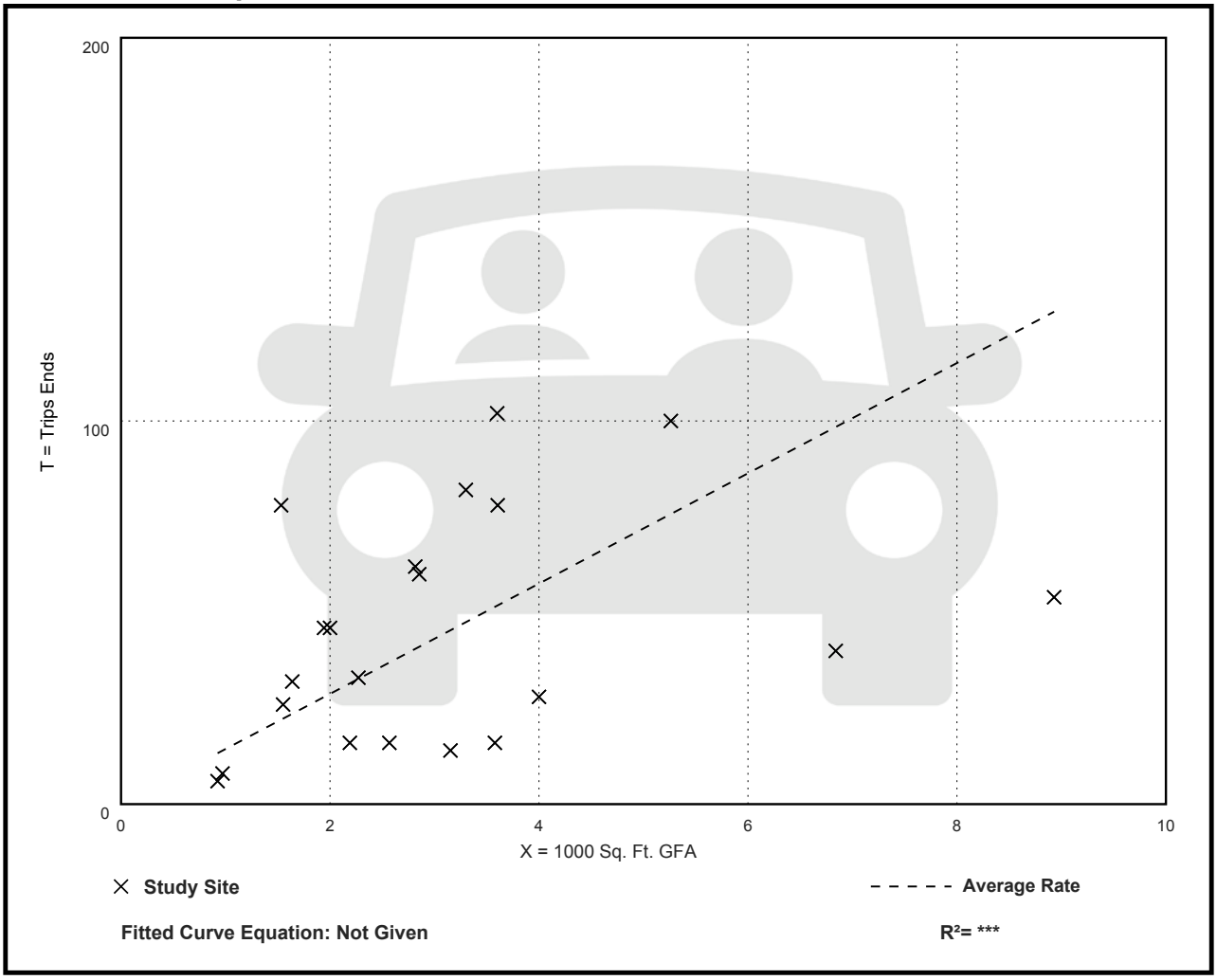
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 21
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
14.39	4.44 - 50.91	10.16

Data Plot and Equation



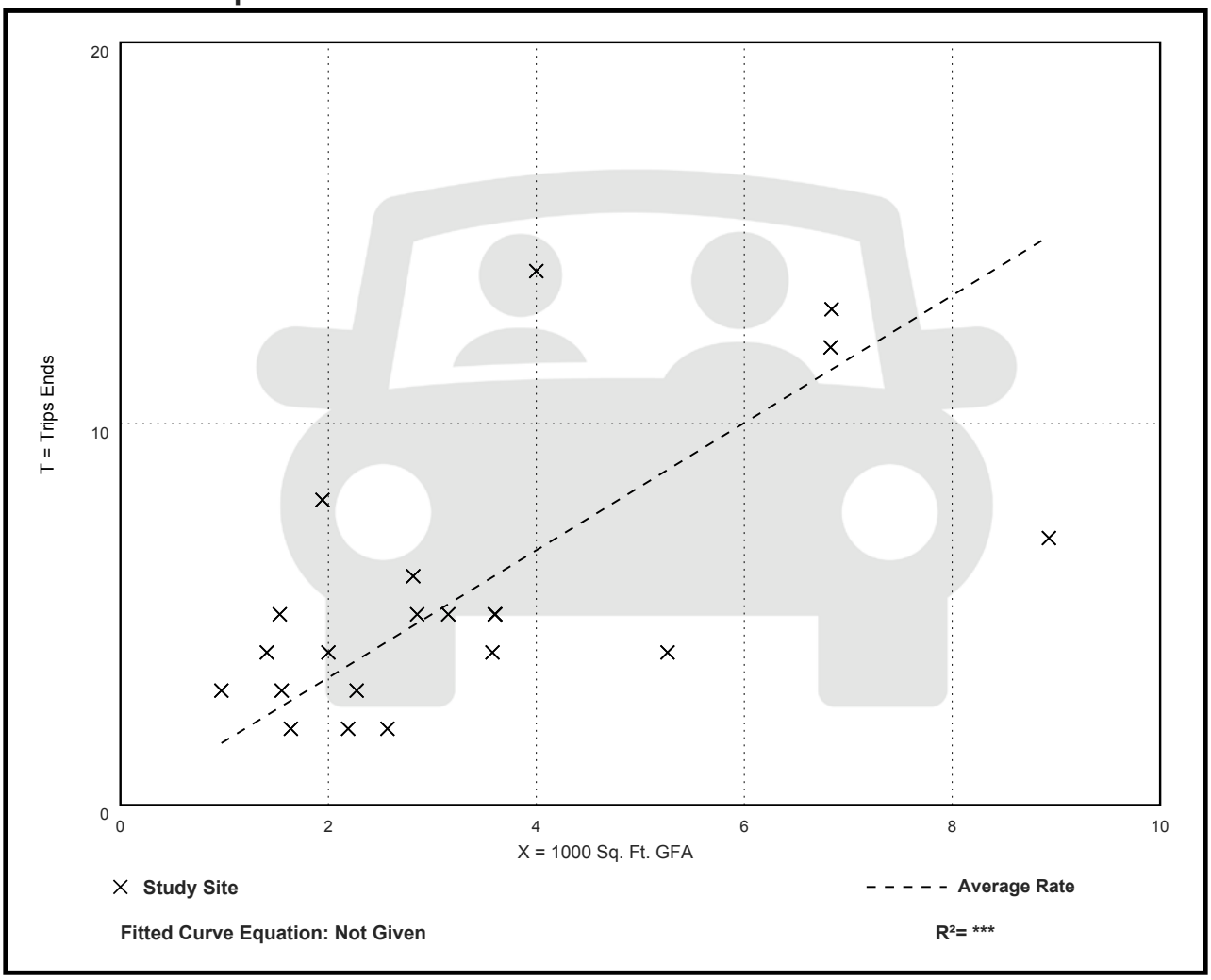
Small Office Building
(712)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 21
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 82% entering, 18% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
1.67	0.76 - 4.12	0.88

Data Plot and Equation



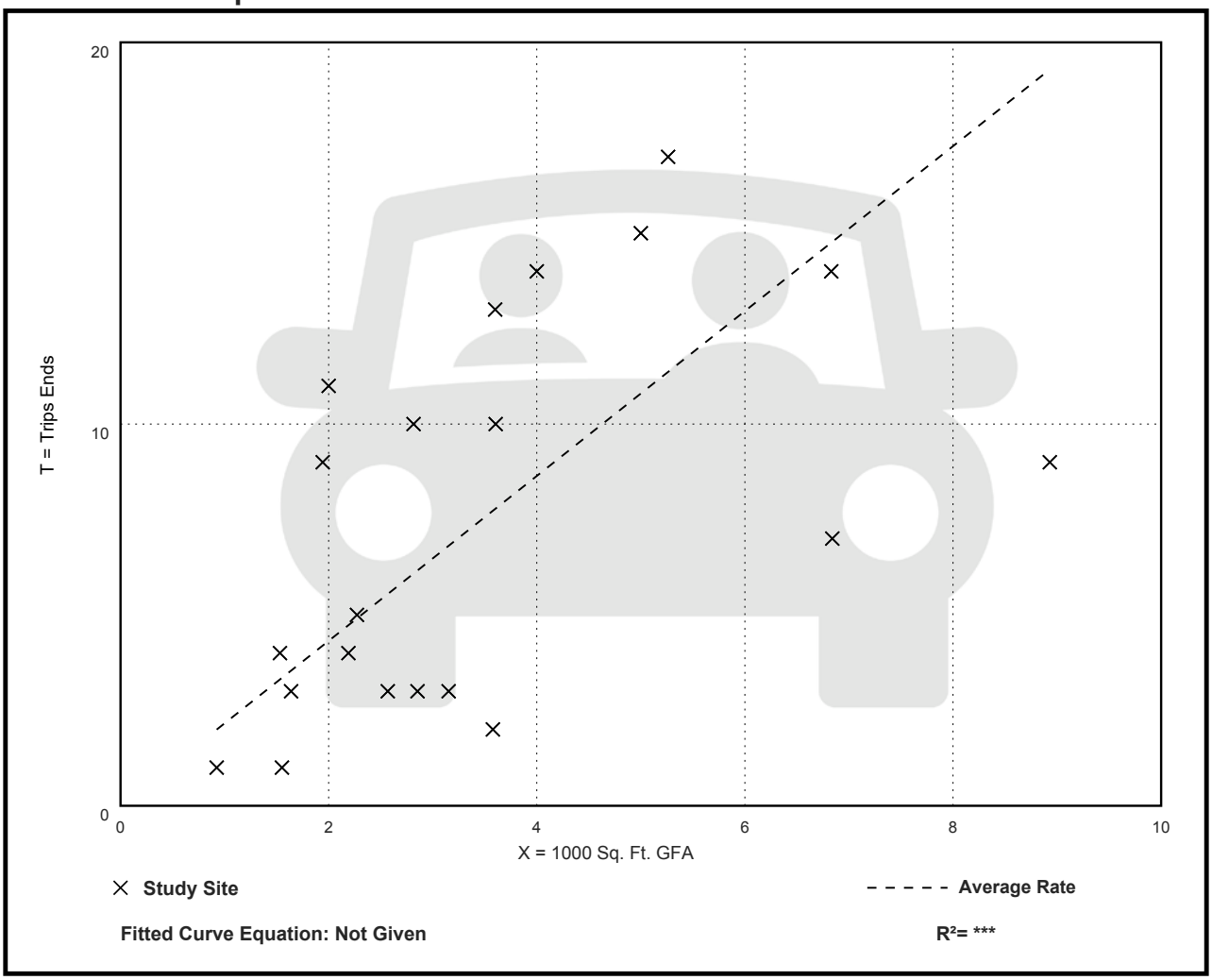
Small Office Building
(712)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 21
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 34% entering, 66% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
2.16	0.56 - 5.50	1.26

Data Plot and Equation



Land Use: 822
Strip Retail Plaza (<40k)

Description

A strip retail plaza is an integrated group of commercial establishments that is planned, developed, owned, and managed as a unit. Each study site in this land use has less than 40,000 square feet of gross leasable area (GLA). Because a strip retail plaza is open-air, the GLA is the same as the gross floor area of the building.

The 40,000 square feet GFA threshold between strip retail plaza and shopping plaza (Land Use 821) was selected based on an examination of the overall shopping center/plaza database. No shopping plaza with a supermarket as its anchor is smaller than 40,000 square feet GLA.

Shopping center (>150k) (Land use 820), shopping plaza (40-150k) (Land Use 821), and factory outlet center (Land Use 823) are related uses.

Additional Data

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), California, Delaware, Florida, New Jersey, Ontario (CAN), South Dakota, Vermont, Washington, and Wisconsin.

Source Numbers

304, 358, 423, 428, 437, 507, 715, 728, 936, 960, 961, 974, 1009

Strip Retail Plaza (<40k)
(822)

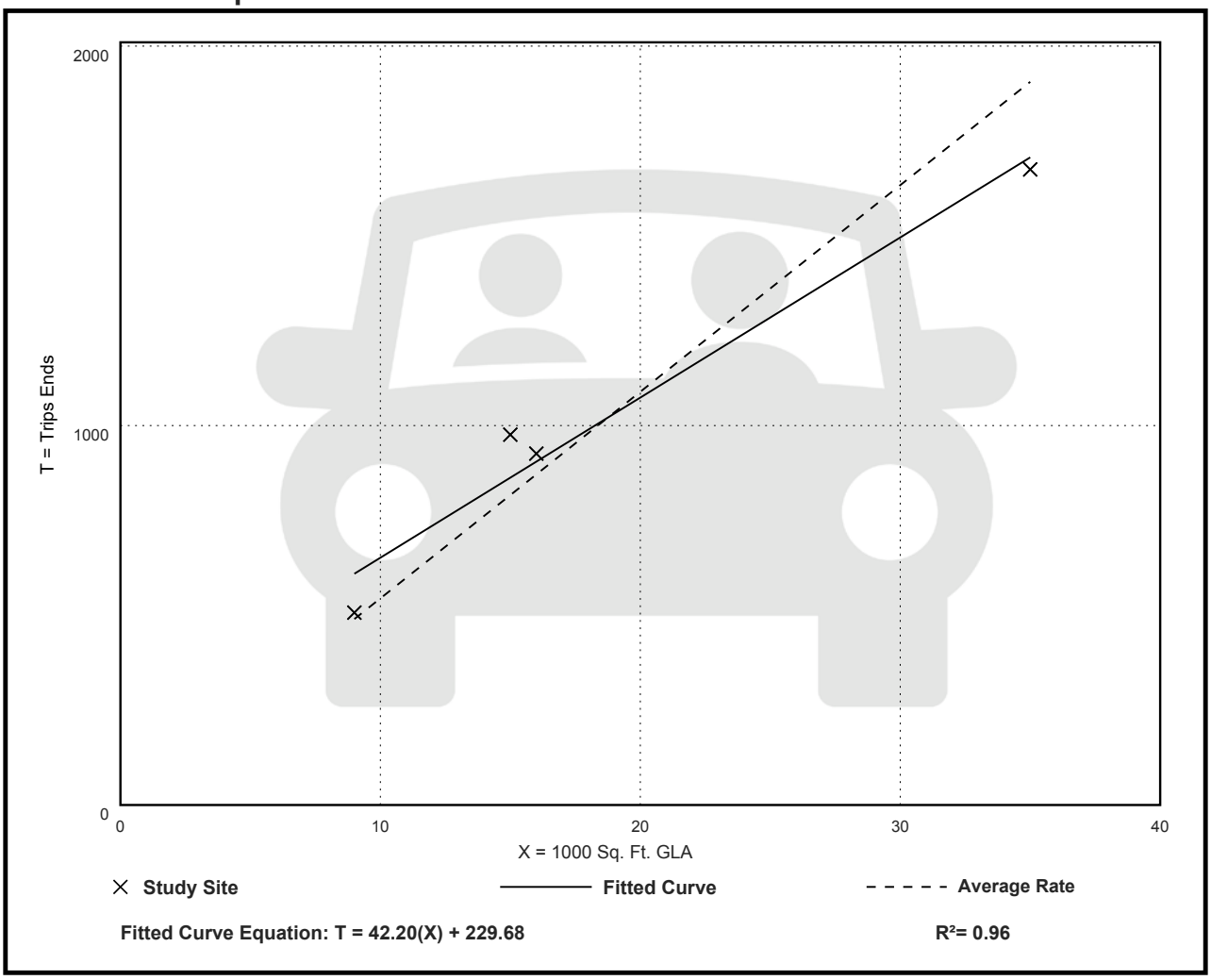
Vehicle Trip Ends vs: 1000 Sq. Ft. GLA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 4
Avg. 1000 Sq. Ft. GLA: 19
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
54.45	47.86 - 65.07	7.81

Data Plot and Equation



Fitted Curve Equation: T = 42.20(X) + 229.68

R^2= 0.96

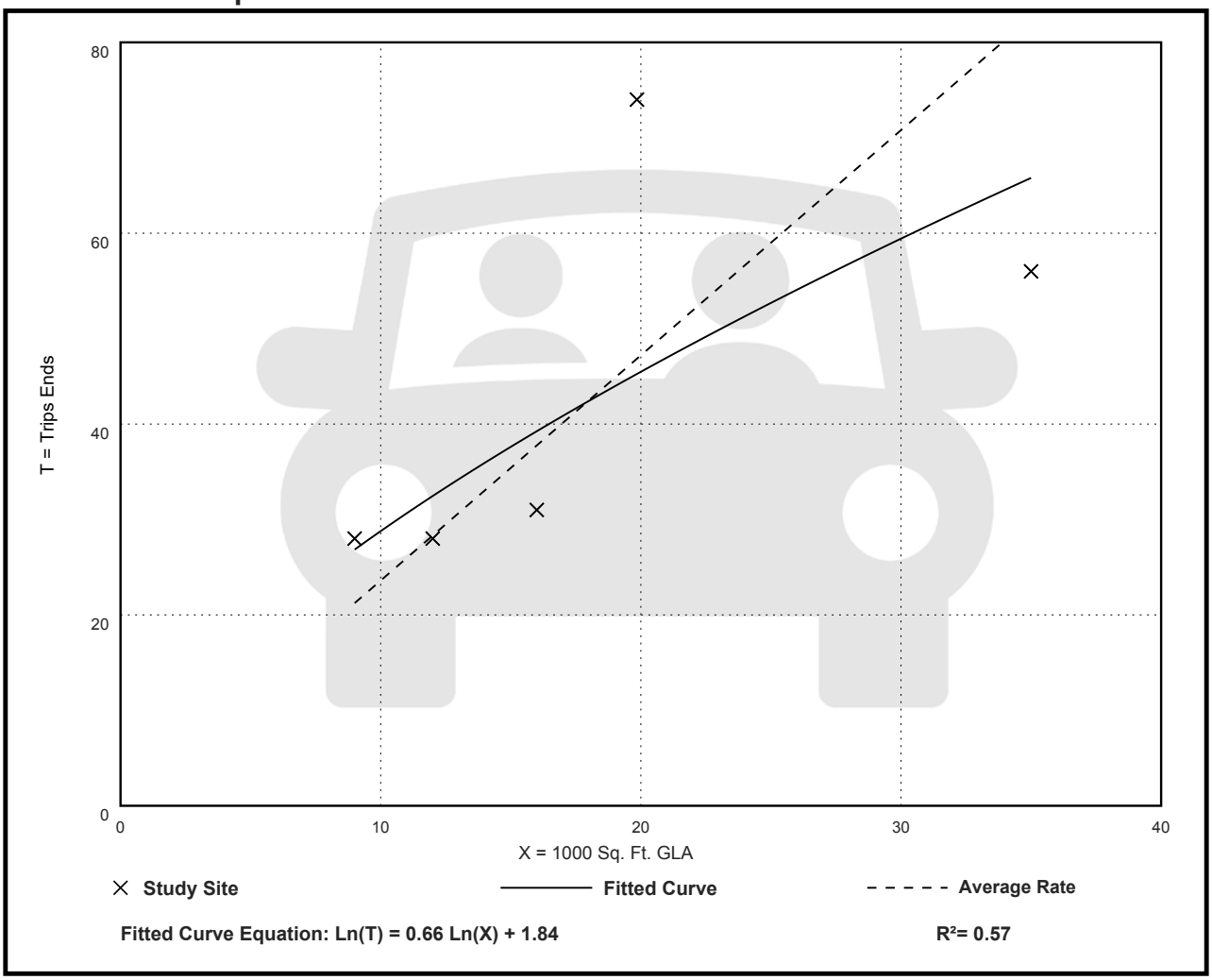
Strip Retail Plaza (<40k)
(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 5
Avg. 1000 Sq. Ft. GLA: 18
Directional Distribution: 60% entering, 40% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
2.36	1.60 - 3.73	0.94

Data Plot and Equation



Fitted Curve Equation: Ln(T) = 0.66 Ln(X) + 1.84

R^2= 0.57

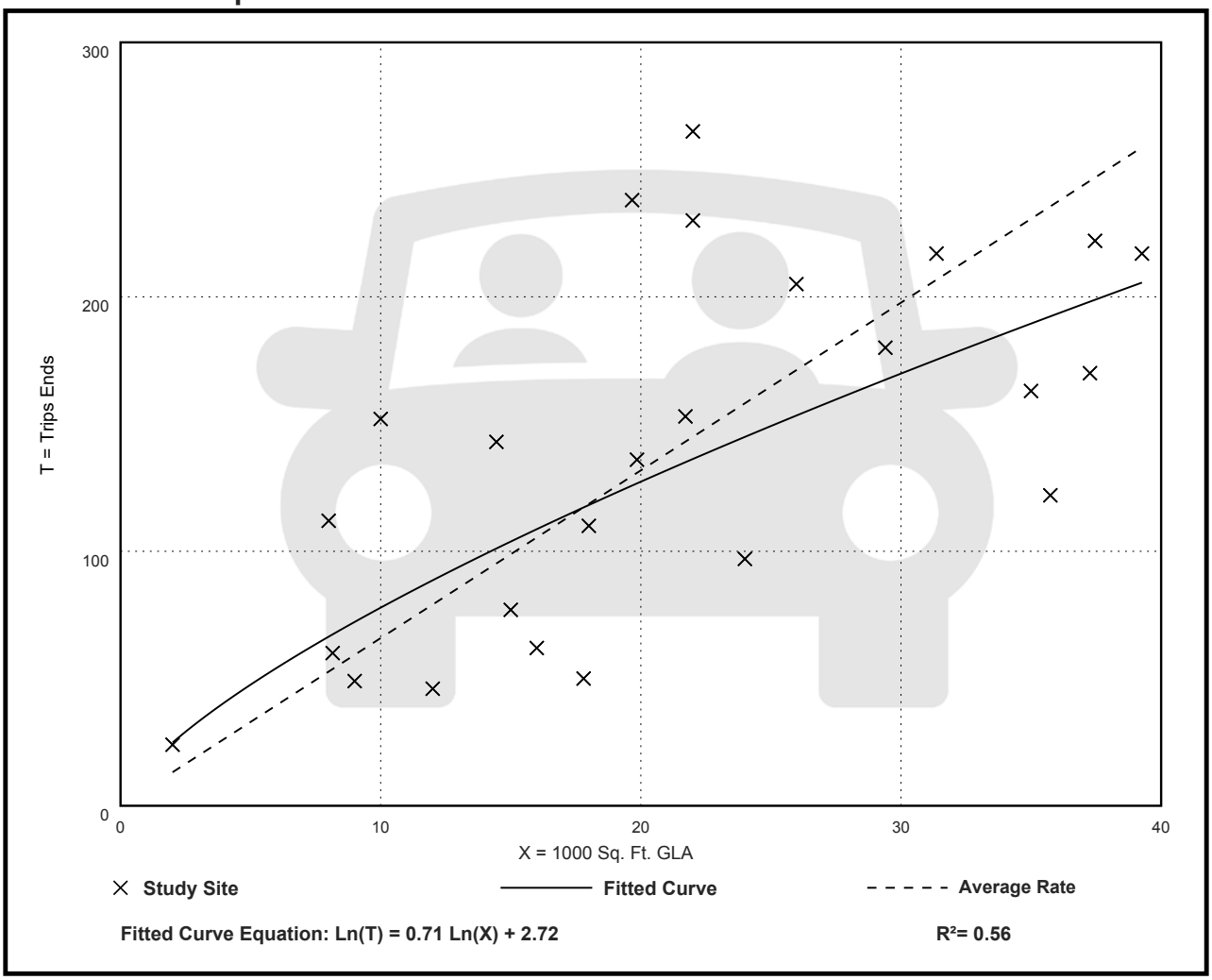
Strip Retail Plaza (<40k)
(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 25
Avg. 1000 Sq. Ft. GLA: 21
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
6.59	2.81 - 15.20	2.94

Data Plot and Equation



Fitted Curve Equation: Ln(T) = 0.71 Ln(X) + 2.72

R^2= 0.56

Land Use: 933
Fast-Food Restaurant without Drive-Through Window

Description

This land use includes any fast-food restaurant without a drive-through window. This type of restaurant is characterized by a large carry-out clientele, long hours of service (some are open for breakfast, all are open for lunch and dinner, some are open late at night or 24 hours a day) and high turnover rates for eat-in customers. These limited-service eating establishments do not provide table service. A patron generally orders from a menu board and pays before receiving the meal. A typical duration of stay for an eat-in customer is less than 30 minutes. Fast casual restaurant (Land Use 930), high-turnover (sit-down) restaurant (Land Use 932), and fast-food restaurant with drive-through window (Land Use 934) are related uses.

Additional Data

If the restaurant has outdoor seating, its area is not included in the overall gross floor area. For a restaurant that has significant outdoor seating, the number of seats may be more reliable than GFA as an independent variable on which to establish a trip generation rate.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s and the 2010s in Alberta (CAN), California, Colorado, Connecticut, Maryland, Montana, Pennsylvania, and Texas.

Source Numbers

163, 247, 278, 319, 342, 885, 977, 1020

Fast-Food Restaurant without Drive-Through Window (933)

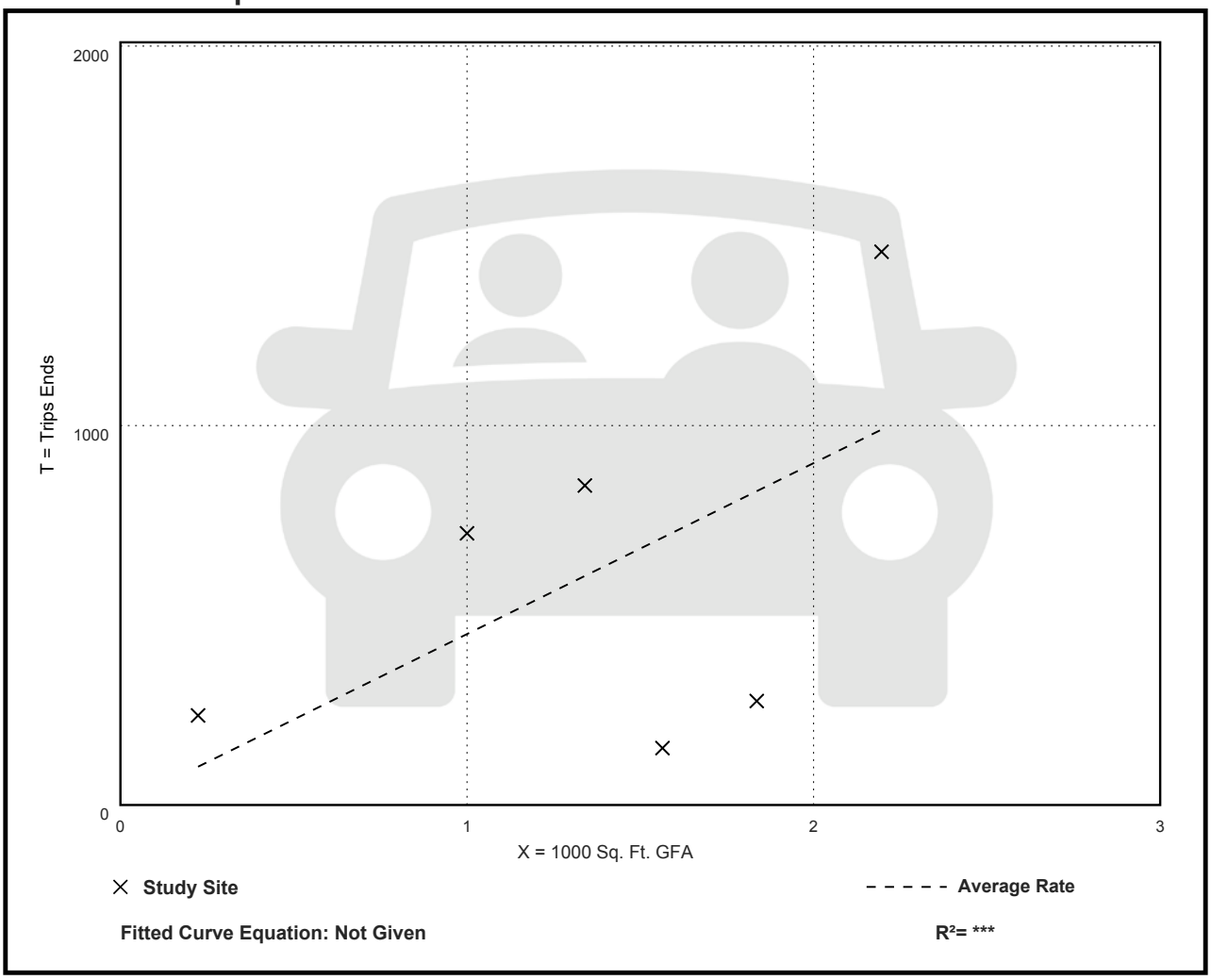
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 6
Avg. 1000 Sq. Ft. GFA: 1
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
450.49	95.91 - 1053.57	310.99

Data Plot and Equation



Fitted Curve Equation: Not Given

R^2= ***

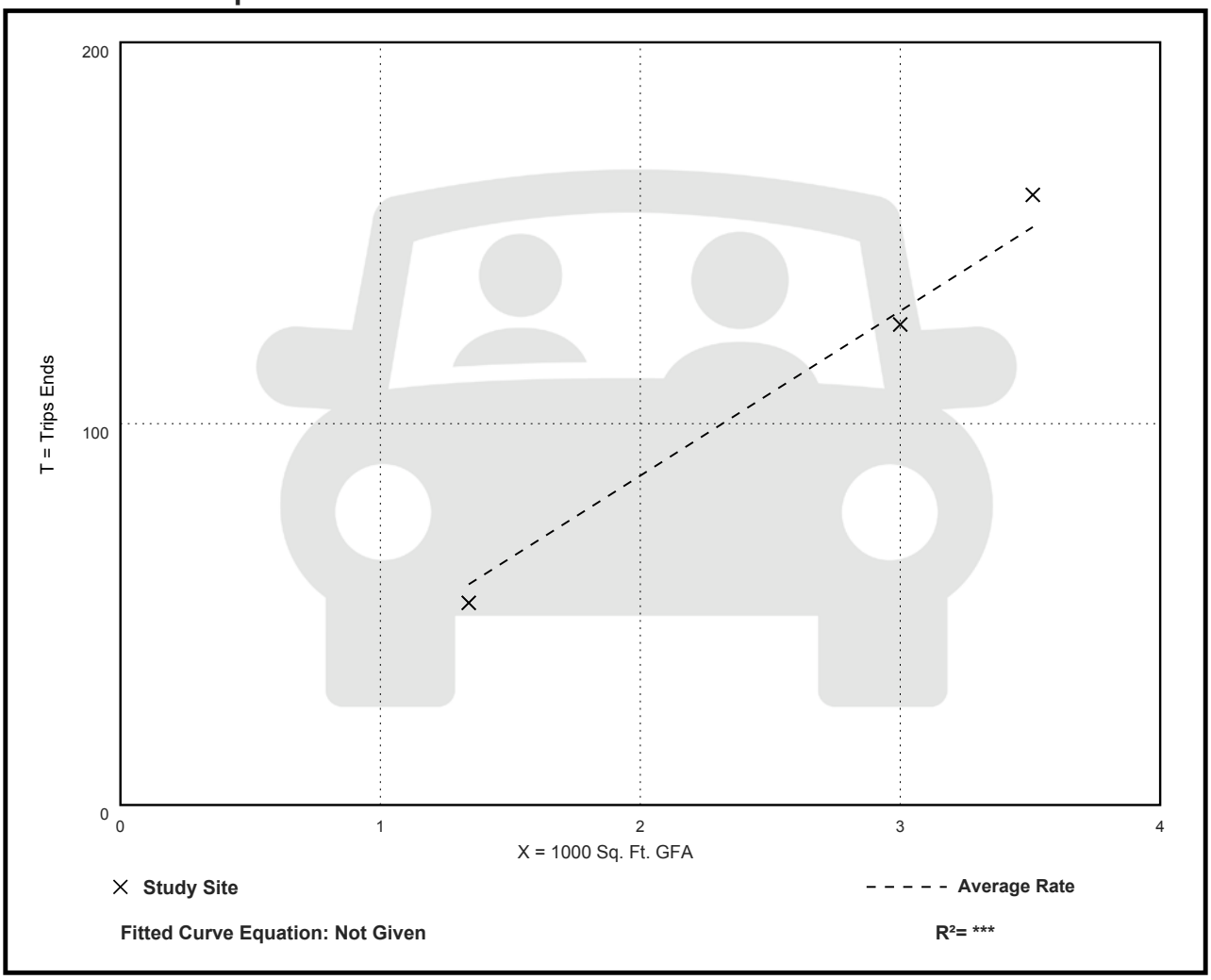
Fast-Food Restaurant without Drive-Through Window (933)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 3
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 58% entering, 42% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
43.18	39.55 - 45.58	2.84

Data Plot and Equation



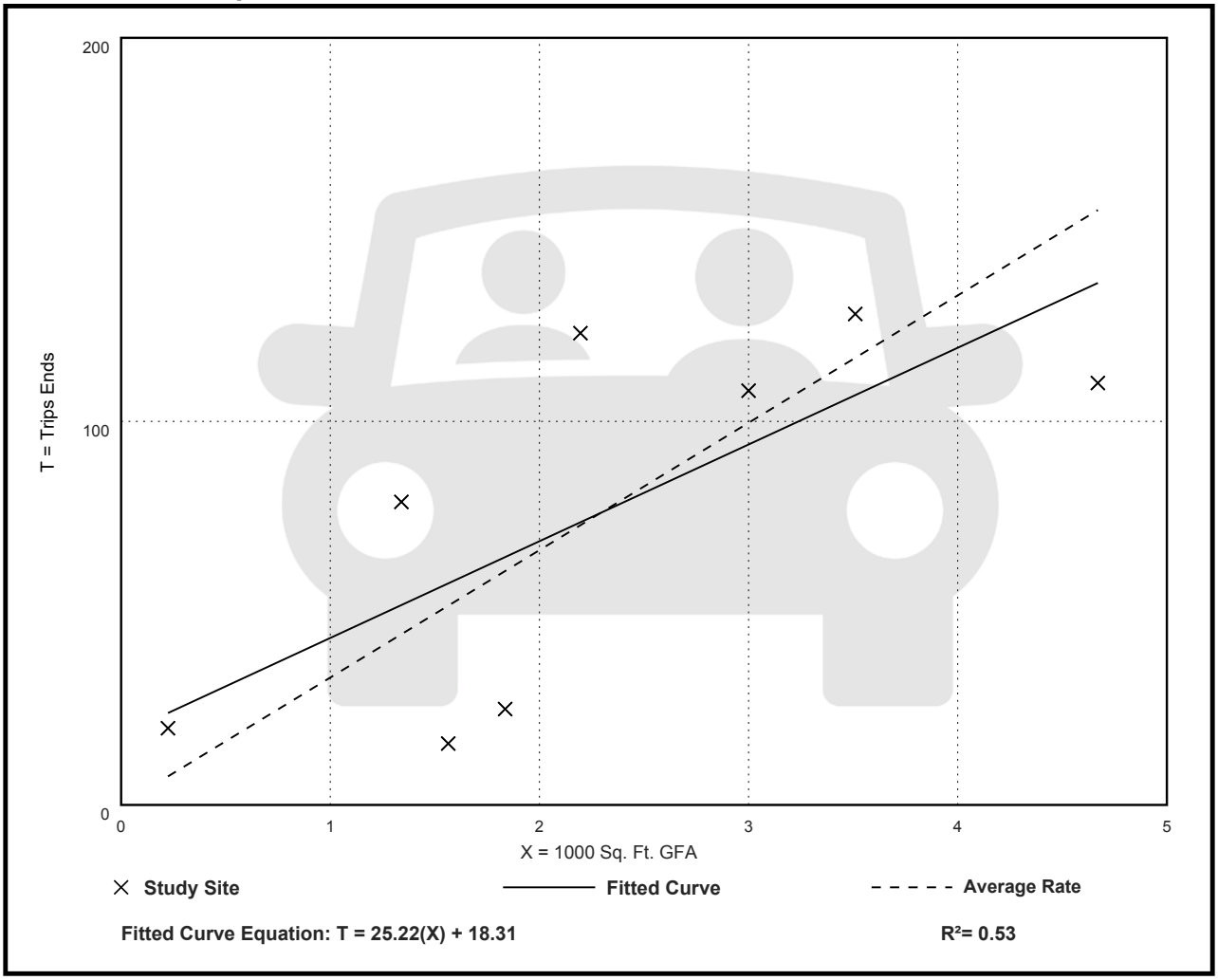
Fast-Food Restaurant without Drive-Through Window (933)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 8
Avg. 1000 Sq. Ft. GFA: 2
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
33.21	10.23 - 89.29	17.22

Data Plot and Equation



Fitted Curve Equation: T = 25.22(X) + 18.31

R^2= 0.53

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual* , 11th Edition

Land Use Code	820								
Land Use	Shopping Center (> 150k)								
Setting	General Urban/Suburban								
Time Period	Weekday PM Peak Period								
# Data Sites	8 Sites with GLA between 150 and 300k				16 Sites with GLA between 300 and 900k				
Average Pass-By Rate	29% for Sites with GLA between 150 and 300k				19% for Sites with GLA between 300 and 900k				
	Pass-By Characteristics for Individual Sites								
		Survey		Pass-By	Non-Pass-By Trips			Adj Street Peak	
GLA (000)	State or Province	Year	# Interviews	Trip (%)	Primary (%)	Diverted (%)	Total (%)	Hour Volume	Source
213	Florida	1990	312	28	31	41	72	—	33
225	Illinois	1994	264	35	32	33	65	1970	24
227.9	Kentucky	1993	—	34	35	31	66	—	34
235	Kentucky	1993	211	35	29	36	65	2593	2
255	Iowa	1994	222	23	38	39	77	3706	24
256	Connecticut	1994	208	27	51	22	73	3422	24
293	Illinois	1994	282	24	70	6	76	4606	13
294	Pennsylvania	1994	213	24	48	18	76	4055	24
350	Massachusetts	1994	224	18	45	37	82	2112	24
361	Virginia	1994	315	17	54	29	83	2034	24
375	North Carolina	1994	214	29	48	23	71	2053	24
413	Texas	1994	228	28	51	21	72	589	24
418	Maryland	1994	281	20	50	30	80	5610	24
450	California	1994	321	23	49	28	77	2787	24
476	Washington	1994	234	25	53	22	75	3427	24
488	Texas	1994	257	12	75	13	88	1094	13
560	Virginia	1994	437	19	49	32	81	3051	24
581	Colorado	1994	296	18	53	29	82	2939	24
598	Colorado	1994	205	17	55	28	83	3840	24
633	Texas	1994	257	10	64	26	90	—	24

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual* , 11th Edition

Land Use Code	821
Land Use	Shopping Plaza (40 - 150k)
Setting	General Urban/Suburban
Time Period	Weekday PM Peak Period
# Data Sites	15
Average Pass-By Rate	40%

Pass-By Characteristics for Individual Sites

GLA (000)	State or Province	Survey Year	# Interviews	Pass-By Trip (%)	Non-Pass-By Trips			Adj Street Peak Hour Volume	Source
					Primary (%)	Diverted (%)	Total (%)		
45	Florida	1992	844	56	24	20	44	—	30
50	Florida	1992	555	41	41	18	59	—	30
52	Florida	1995	665	42	33	25	58	—	30
53	Florida	1993	162	59	—	—	41	—	30
57.23	Kentucky	1993	247	31	53	16	69	2659	34
60	Florida	1995	1583	40	38	22	60	—	30
69.4	Kentucky	1993	109	25	42	33	75	1559	34
77	Florida	1992	365	46	—	—	54	—	30
78	Florida	1991	702	55	23	22	45	—	30
82	Florida	1992	336	34	—	—	66	—	30
92.857	Kentucky	1993	133	22	50	28	78	3555	34
100.888	Kentucky	1993	281	28	50	22	72	2111	34
121.54	Kentucky	1993	210	53	30	17	47	2636	34
144	New Jersey	1990	176	32	44	24	68	—	24
146.8	Kentucky	1993	—	36	39	25	64	—	34

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual* , 11th Edition

Land Use Code	932
Land Use	High-Turnover (Sit-Down) Restaurant
Setting	General Urban/Suburban
Time Period	Weekday PM Peak Period
# Data Sites	12
Average Pass-By Rate	43%

Pass-By Characteristics for Individual Sites

GFA (000)	State or Province	Survey Year	# Interviews	Pass-By Trip (%)	Non-Pass-By Trips			Adj Street Peak Hour Volume	Source
					Primary (%)	Diverted (%)	Total (%)		
2.9	Kentucky	1993	41	37	27	36	63	3935	2
3.1	Kentucky	1993	21	38	29	33	62	2580	2
4.6	Florida	1992	276	63	—	—	37	—	30
5	Florida	1992	65	58	—	—	42	—	30
5.3	Kentucky	1993	24	50	37	13	50	1615	2
5.7	Florida	1994	308	57	—	—	43	—	30
5.8	Florida	1992	150	32	—	—	68	—	30
6.2	Florida	1995	521	46	43	11	54	—	30
7.1	Indiana	1993	—	23	23	54	77	1565	2
8	Florida	1995	664	40	39	21	60	—	30
11	Florida	1996	267	38	43	19	62	—	30
12	Florida	1996	317	29	51	20	71	—	30

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual* , 11th Edition

Land Use Code	934
Land Use	Fast-Food Restaurant with Drive-Through Window
Setting	General Urban/Suburban
Time Period	Weekday AM Peak Period
# Data Sites	5
Average Pass-By Rate	50%

Pass-By Characteristics for Individual Sites

GFA (000)	State or Province	Survey Year	# Interviews	Pass-By Trip (%)	Non-Pass-By Trips			Adj Street Peak Hour Volume	Source
					Primary (%)	Diverted (%)	Total (%)		
1.4	Kentucky	1993	—	62	22	16	38	1407	2
3	Kentucky	1993	—	43	14	43	57	2903	2
3.3	--	1996	—	68	—	—	32	—	21
3.6	Kentucky	1993	—	32	47	21	68	437	2
4.2	Indiana	1993	—	46	23	31	54	1049	2

Vehicle Pass-By Rates by Land Use

Source: ITE *Trip Generation Manual* , 11th Edition

Land Use Code	934
Land Use	Fast-Food Restaurant with Drive-Through Window
Setting	General Urban/Suburban
Time Period	Weekday PM Peak Period
# Data Sites	11
Average Pass-By Rate	55%

Pass-By Characteristics for Individual Sites

GFA (000)	State or Province	Survey Year	# Interviews	Pass-By Trip (%)	Non-Pass-By Trips			Adj Street Peak Hour Volume	Source
					Primary (%)	Diverted (%)	Total (%)		
1.3	Kentucky	1993	—	68	22	10	32	2055	2
1.9	Kentucky	1993	33	67	24	9	33	2447	2
2.8	Florida	1995	47	66	—	—	34	—	30
2.9	Florida	1996	271	41	41	18	59	—	30
3	Kentucky	1993	—	31	31	38	69	4250	2
3.1	Florida	1995	28	71	—	—	29	—	30
3.1	Florida	1996	29	38	—	—	62	—	30
3.2	Florida	1996	202	40	39	21	60	—	30
3.3	—	1996	—	62	—	—	38	—	21
4.2	Indiana	1993	—	56	25	19	44	1632	2
4.3	Florida	1994	304	62	—	—	38	—	30

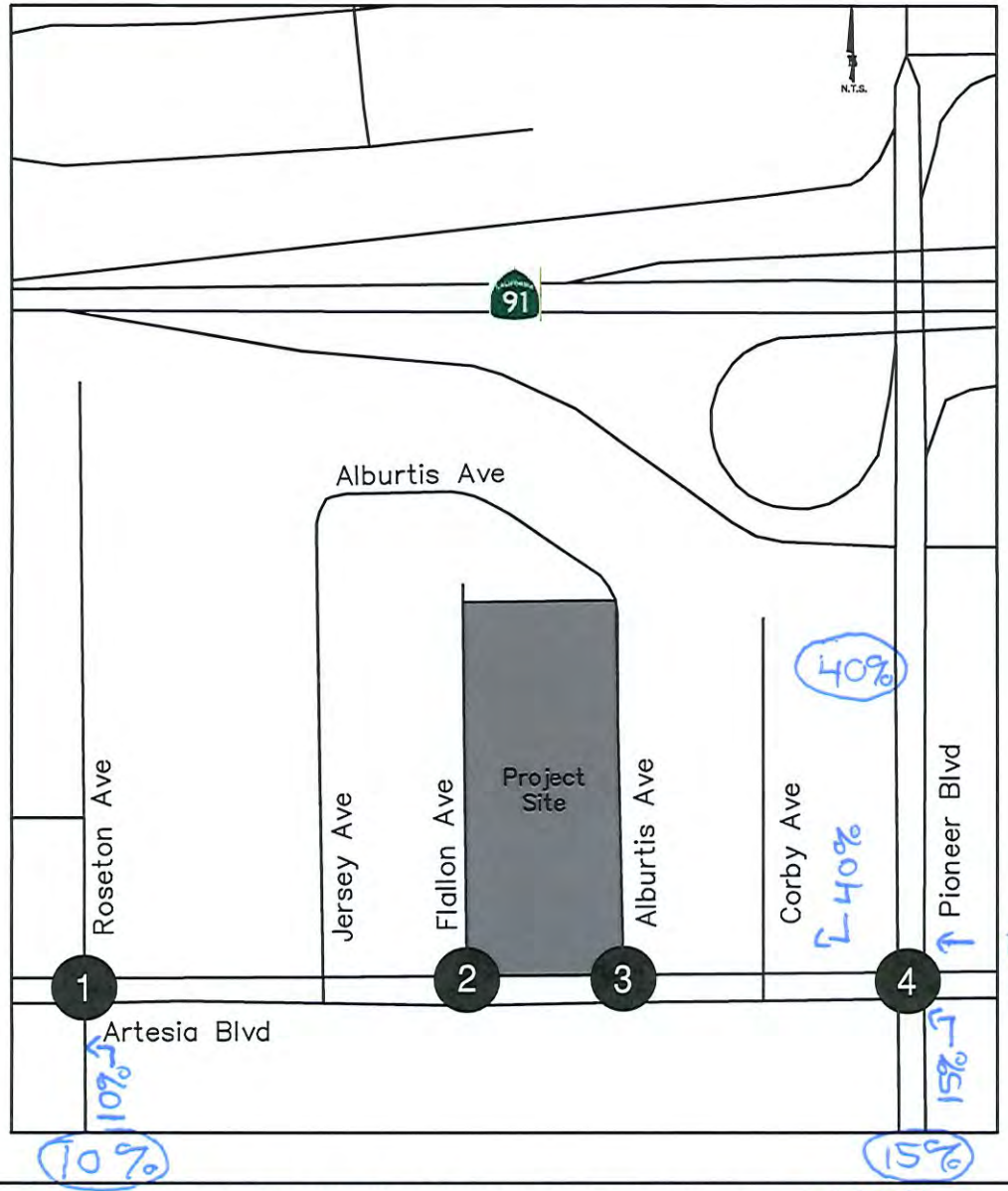
APPENDIX E

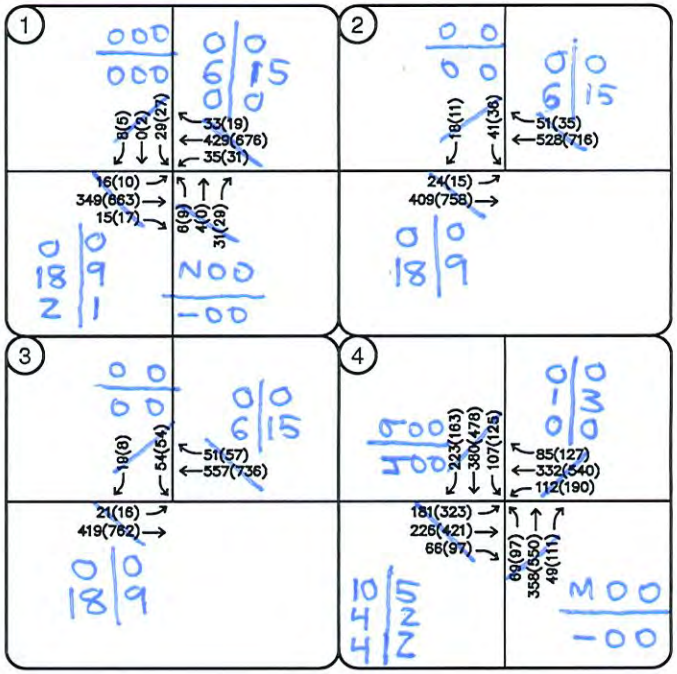
CUMULATIVE PROJECT INFORMATION

List of Cumulative Projects as of 9/22/22			
Address	Project Description	Status	Notes
18721 Arline	4-unit apartment	Approved By PC 9/20/22	Excluded due to insignificant trip generation expected and too far from Project site.
11504 Artesia	30-unit residential townhouse development (Brandywine Homes)	Plan Check	Included as Cumulative Project
18600 Gridley	one-story, 3,267 square foot restaurant with a 1,402 square foot outdoor patio (Raising Cane□s)	Plan Check	Excluded since too far from Project site.
11700 Arkansas	4,544 square feet of commercial space facing Arkansas Street. It will also include fifty-nine (59) townhomes (City Ventures)	NOI	Excluded since this growth is assumed to be included in 1□ annual background growth rate.
11540 187th	Parcel map for 4 new detached homes	Plan Check	Excluded due to insignificant trip generation expected and too far from Project site.
17172 Roeston	New 2-story, 4,758 square foot office/warehouse	Plan Check	Included as Cumulative Project

By: Mel Lee

Cumulative Project Map





TRIP GEN*

AM	PM
8 IB	21 IB
24 OB	12 OB

LEGEND

- # Intersection ID
- Project Site
- ←XX(XX) AM(PM) Peak Hour Traffic Volumes

*FITTED CURVE IE RATE FOR LU 220

FIGURE 8 - Opening Year Plus Project Intersection Traffic Volumes 11504 ARTESIA RESIDENTIAL
Artesia Place Project

Kimley»Horn

Land Use: 220
Multifamily Housing (Low-Rise)

Description

Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels). Various configurations fit this description, including walkup apartment, mansion apartment, and stacked townhouse.

- A walkup apartment typically is two or three floors in height with dwelling units that are accessed by a single or multiple entrances with stairways and hallways.

- A mansion apartment is a single structure that contains several apartments within what appears to be a single-family dwelling unit.

- A fourplex is a single two-story structure with two matching dwelling units on the ground and second floors. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.

- A stacked townhouse is designed to match the external appearance of a townhouse. But, unlike a townhouse dwelling unit that only shares walls with an adjoining unit, the stacked townhouse units share both floors and walls. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.

Multifamily housing (mid-rise) (Land Use 221), multifamily housing (high-rise) (Land Use 222), affordable housing (Land Use 223), and off-campus student apartment (low-rise) (Land Use 225) are related land uses.

Land Use Subcategory

Data are presented for two subcategories for this land use: (1) not close to rail transit and (2) close to rail transit. A site is considered close to rail transit if the walking distance between the residential site entrance and the closest rail transit station entrance is ½ mile or less.

Additional Data

For the three sites for which both the number of residents and the number of occupied dwelling units were available, there were an average of 2.72 residents per occupied dwelling unit.

For the two sites for which the numbers of both total dwelling units and occupied dwelling units were available, an average of 96.2 percent of the total dwelling units were occupied.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip

generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

For the three sites for which data were provided for both occupied dwelling units and residents, there was an average of 2.72 residents per occupied dwelling unit.

It is expected that the number of bedrooms and number of residents are likely correlated to the trips generated by a residential site. To assist in future analysis, trip generation studies of all multifamily housing should attempt to obtain information on occupancy rate and on the mix of residential unit sizes (i.e., number of units by number of bedrooms at the site complex).

The sites were surveyed in the 1980s, the 1990s, the 2000s, the 2010s, and the 2020s in British Columbia (CAN), California, Delaware, Florida, Georgia, Illinois, Indiana, Maine, Maryland, Massachusetts, Minnesota, New Jersey, Ontario (CAN), Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, and Washington.

Source Numbers

188, 204, 237, 300, 305, 306, 320, 321, 357, 390, 412, 525, 530, 579, 583, 638, 864, 866, 896, 901, 903, 904, 936, 939, 944, 946, 947, 948, 963, 964, 966, 967, 1012, 1013, 1014, 1036, 1047, 1056, 1071, 1076

Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

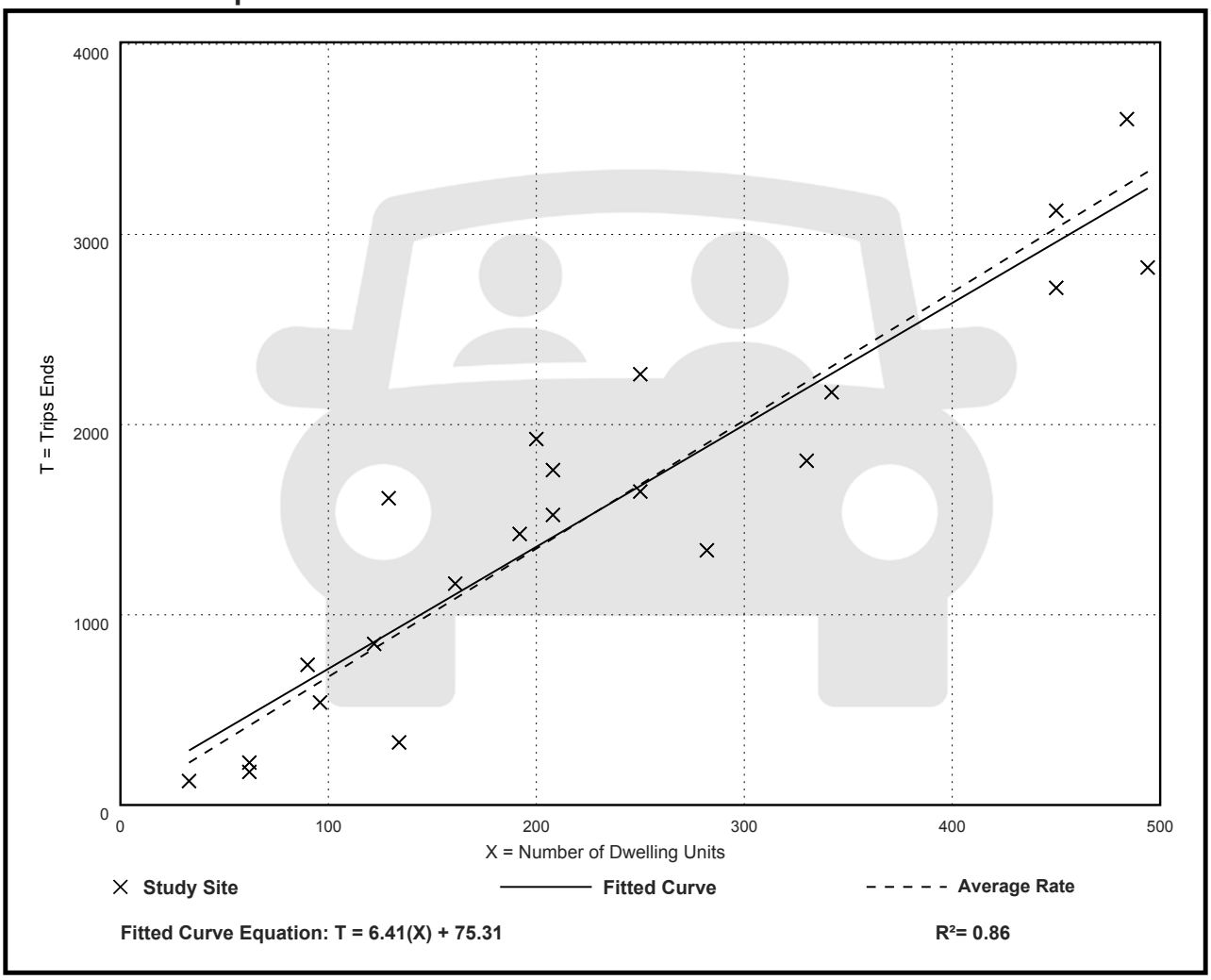
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 22
Avg. Num. of Dwelling Units: 229
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
6.74	2.46 - 12.50	1.79

Data Plot and Equation



Fitted Curve Equation: T = 6.41(X) + 75.31

R^2= 0.86

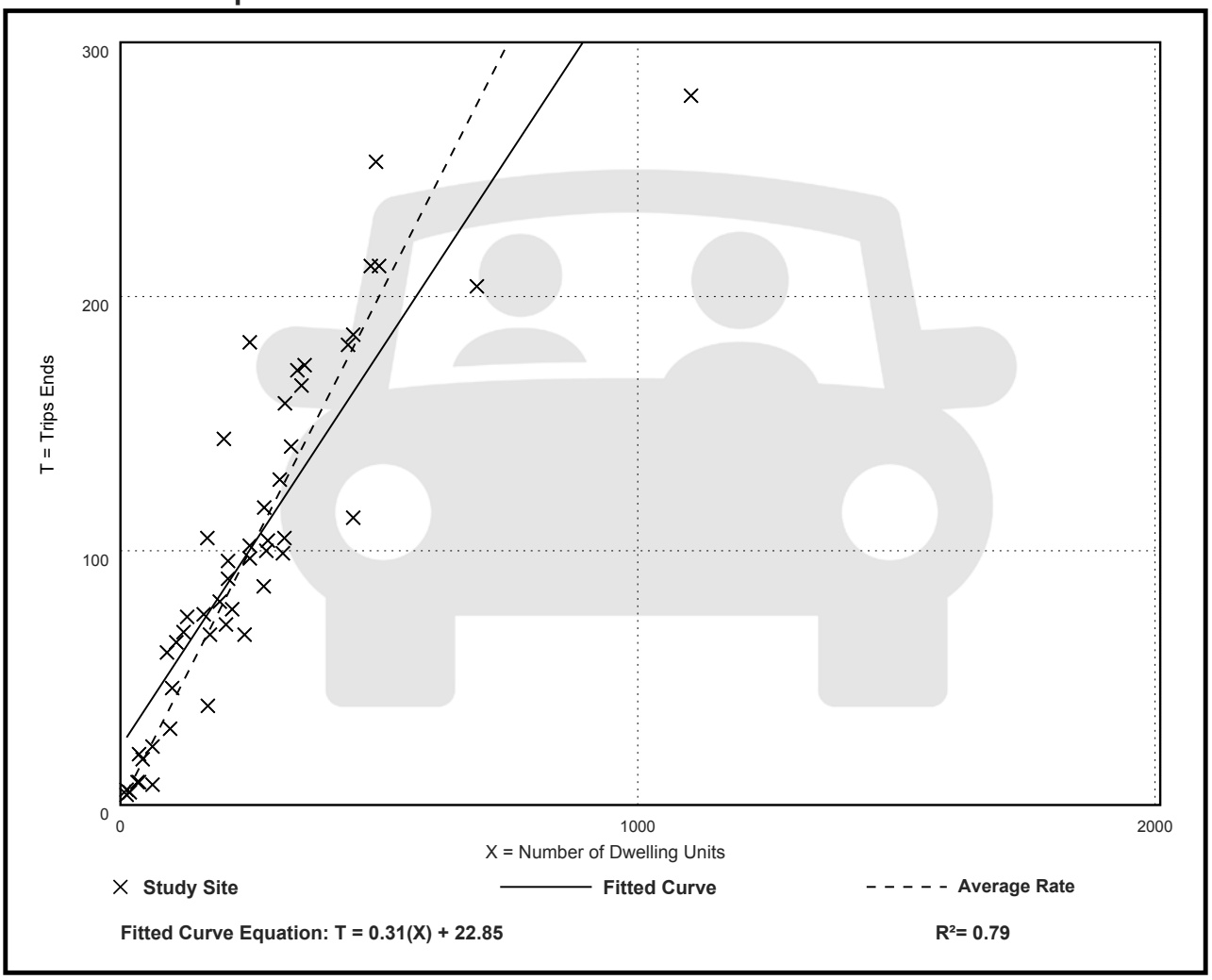
Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 49
Avg. Num. of Dwelling Units: 249
Directional Distribution: 24% entering, 76% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.40	0.13 - 0.73	0.12

Data Plot and Equation



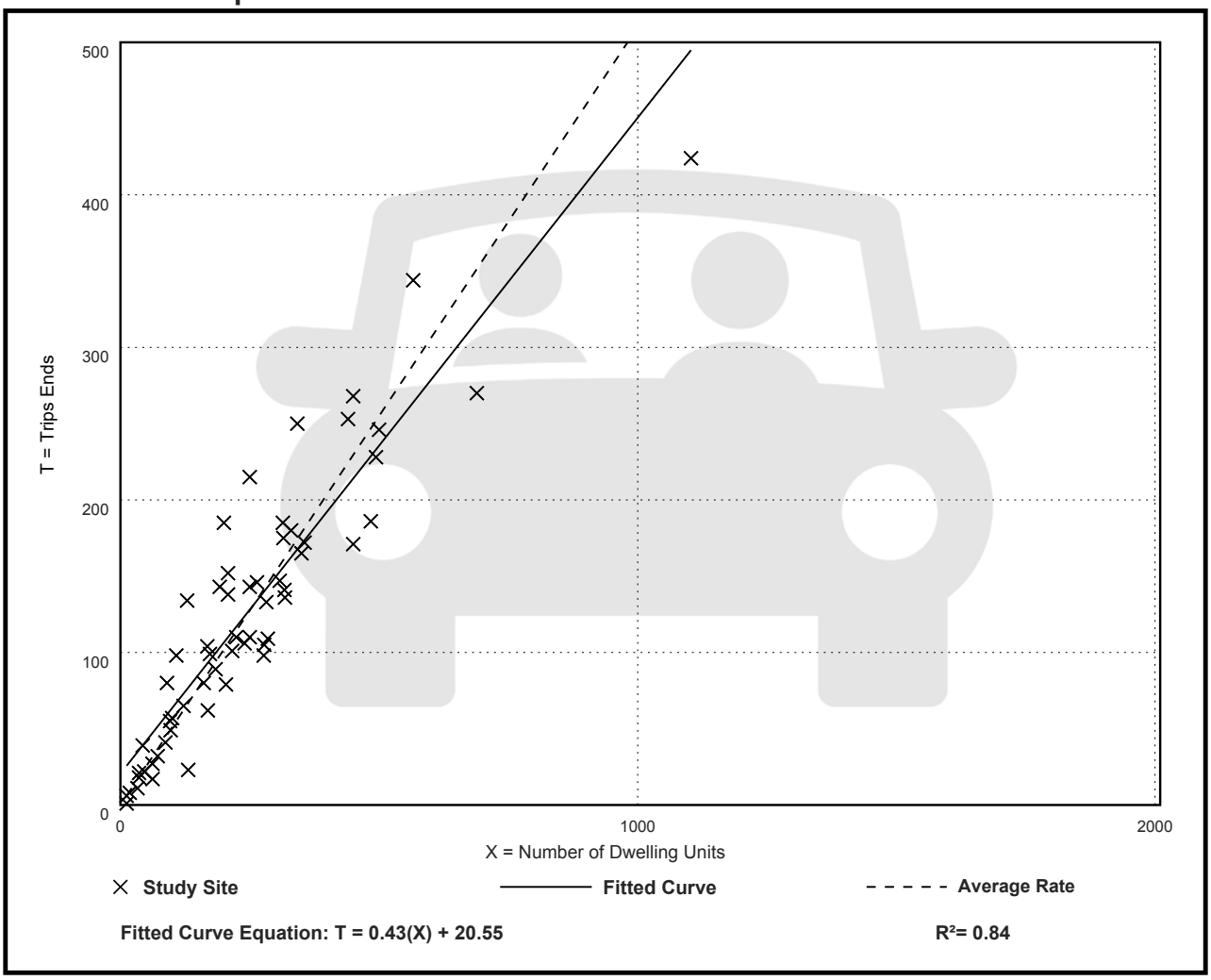
Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

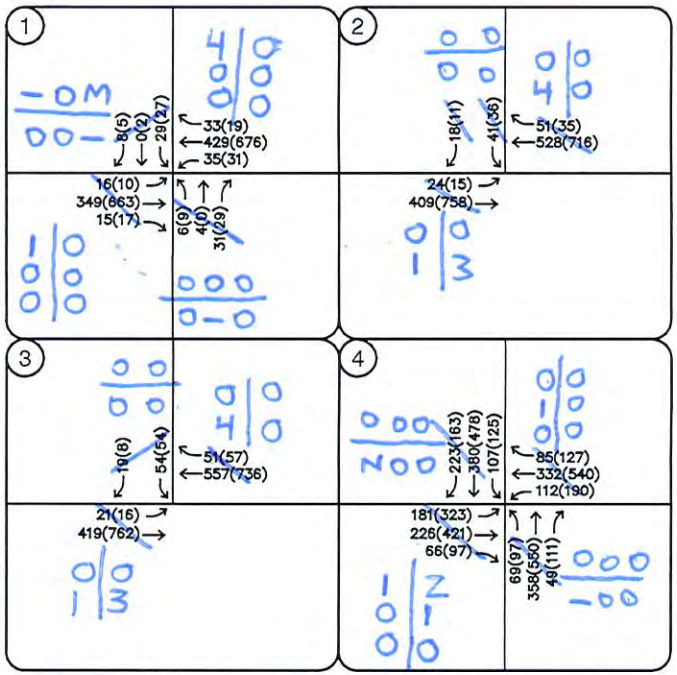
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 59
Avg. Num. of Dwelling Units: 241
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.51	0.08 - 1.04	0.15

Data Plot and Equation





TRIP GEN

AM		PM	
6	IB	0	IB
1	OB	4	OB

LEGEND

- # Intersection ID
- Project Site
- ←XX(XX) AM(PM) Peak Hour Traffic Volumes

FIGURE 8 - Opening Year Plus Project Intersection Traffic Volumes 17172 ROESTON OFFICE/WAREHOUSE
Artesia Place Project

\\kimley-horn.com\CA_ORA\ORA_PLAN\194468001 – Artesia Boulevard Corridor SP Amendment\6 CADD

Kimley»Horn

Land Use: 110
General Light Industrial

Description

A light industrial facility is a free-standing facility devoted to a single use. The facility has an emphasis on activities other than manufacturing and typically has minimal office space. Typical light industrial activities include printing, material testing, and assembly of data processing equipment. Industrial park (Land Use 130) and manufacturing (Land Use 140) are related uses.

Additional Data

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s, the 2000s, and the 2010s in Colorado, Connecticut, Indiana, New Jersey, New York, Oregon, Pennsylvania, and Texas.

Source Numbers

106, 157, 174, 177, 179, 184, 191, 251, 253, 286, 300, 611, 874, 875, 912

General Light Industrial
(110)

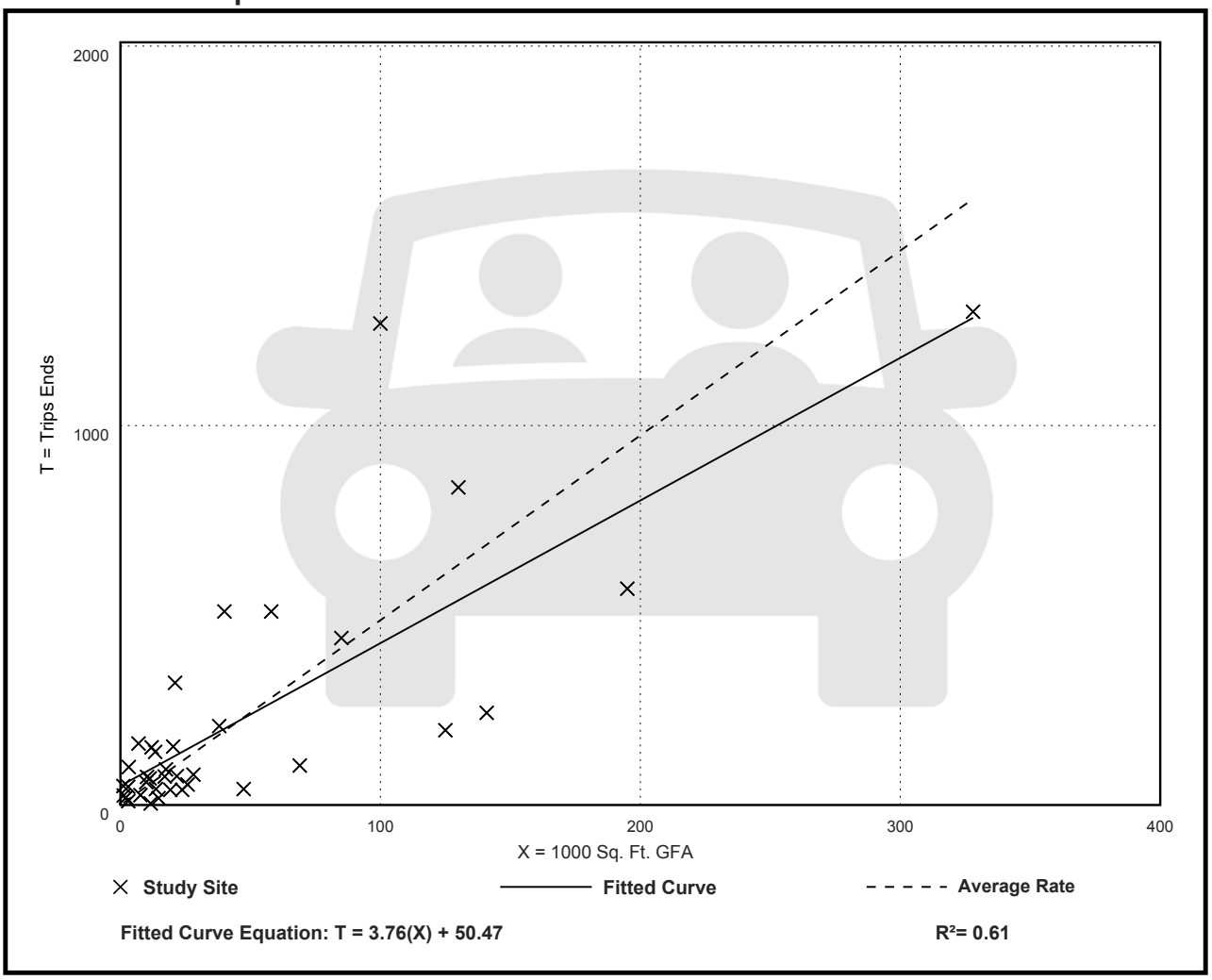
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 37
Avg. 1000 Sq. Ft. GFA: 45
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
4.87	0.34 - 43.86	4.08

Data Plot and Equation



Fitted Curve Equation: T = 3.76(X) + 50.47

R^2= 0.61

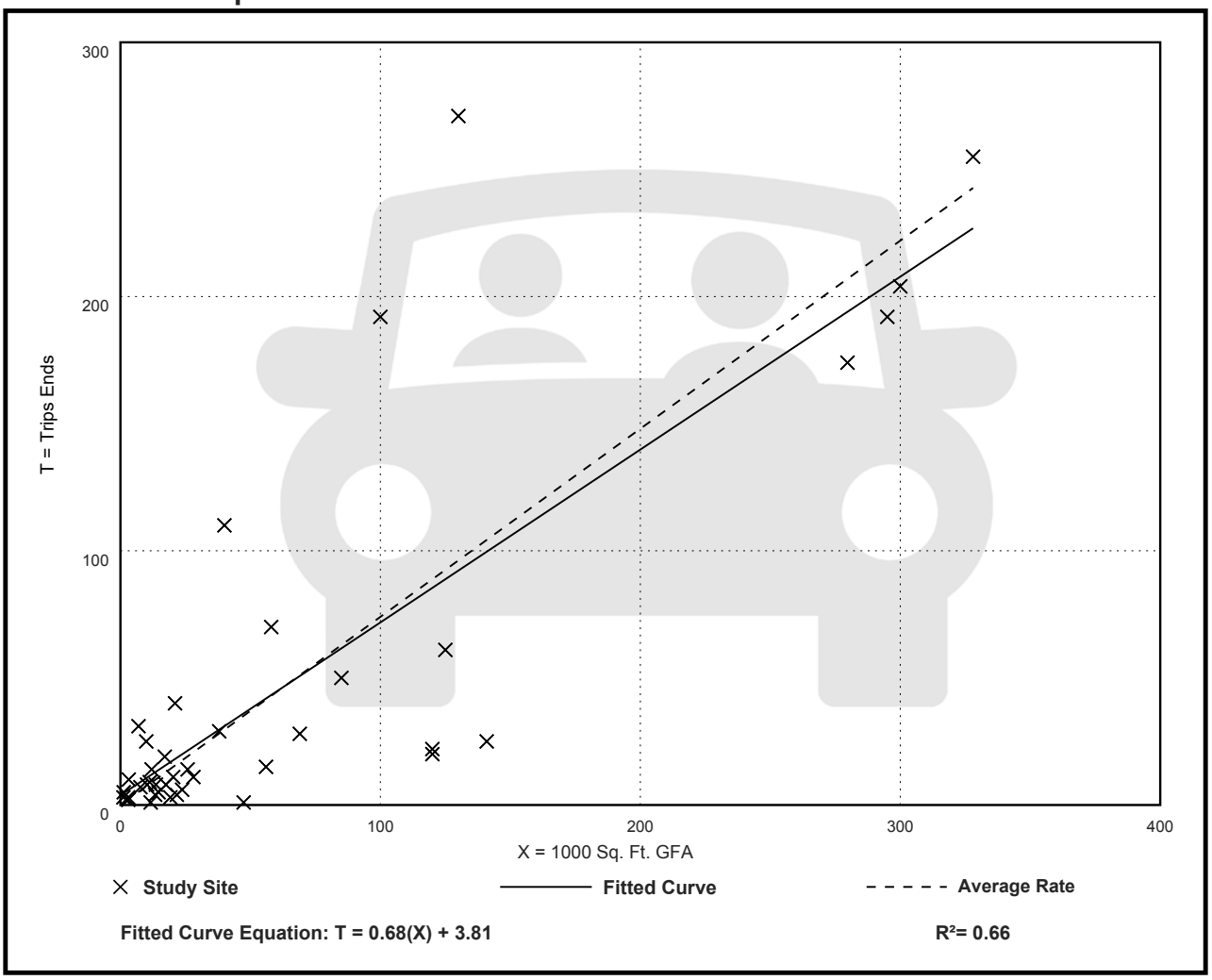
General Light Industrial
(110)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 41
Avg. 1000 Sq. Ft. GFA: 65
Directional Distribution: 88% entering, 12% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.74	0.02 - 4.46	0.61

Data Plot and Equation



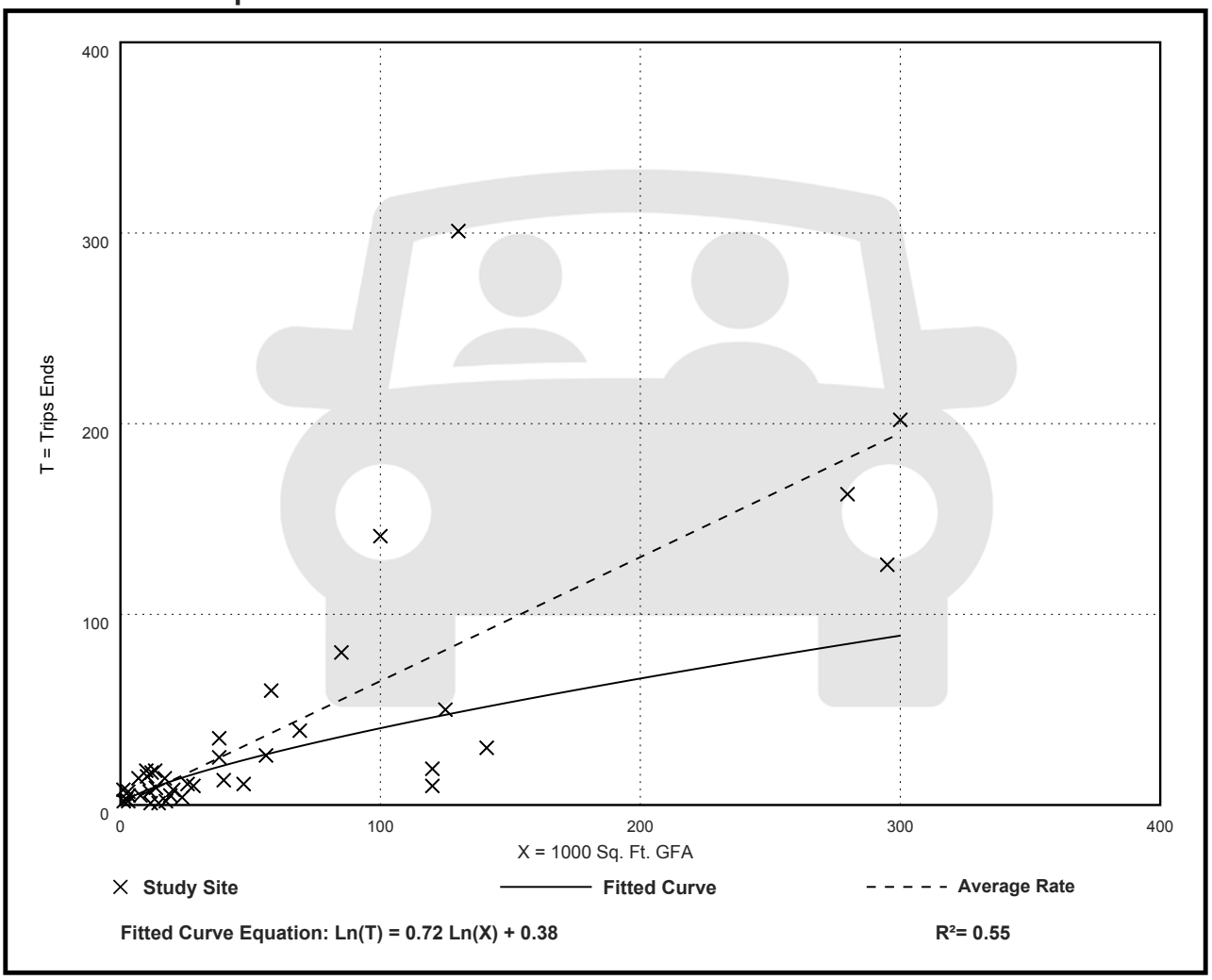
General Light Industrial
(110)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 40
Avg. 1000 Sq. Ft. GFA: 58
Directional Distribution: 14% entering, 86% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.65	0.07 - 7.02	0.56

Data Plot and Equation



APPENDIX F

SIGNAL WARRANT ANALYSIS WORKSHEETS

Warrant	Title			Standard
1	Eight-Hour Volume			The need for a traffic control signal shall be considered if an engineering study finds that 1 of the following conditions exist for each of any 8 hours of an average day. In applying each condition the major-street and minor-street volumes shall be for the same 8 hours. On the minor street, the higher volume shall not be required to be on the same approach during each of these 8 hours.
-	Condition A	Part 1	Part 2	A. The vehicles per hour given in both of the 100%/80% columns of Condition A in Table 4C-1 exist on the major-street and the higher-volume minor-street approaches, respectively, to the intersection, or
-	Condition B	Part 1	Part 2	A. The vehicles per hour given in both of the 100%/80% columns of Condition B in Table 4C-1 exist on the major-street and the higher-volume minor-street approaches, respectively, to the intersection.
2	Four-Hour Volume			See Figure 4C-1 or 4C-2 in MUTCD.
3	Peak Hour Volume			This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time. The need for a traffic control signal shall be considered if an engineering study finds that the criteria in either of the following 2 categories are met: A. If all 3 of the following conditions exist for the same 1 hour of an average day: 1. The total stopped time delay experience by the traffic on 1 minor-street approach (1 direction only) controlled by a STOP sign equals or exceeds: 4 vehicle-hours for a 1-lane approach; or 5 vehicle-hours for a 2-lane approach, and 2. The volume on the same minor-street approach (1 direction only) equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes, and 3. The total entering volume serviced during the hour equals or exceeds 650 vph for intersections with 3 approaches or 800 vph for intersections with 4 or more approaches. B. See Figure 4C-3 or 4C-4 in MUTCD.
4	Pedestrian Volume			See Page 4C-5 in MUTCD
5	School Crossing			See Page 4C-5 in MUTCD
6	Coordinated Signal System			See Page 4C-6 in MUTCD
7	Crash Experience			The need for a traffic control signal shall be considered if an engineering study finds that all of the following criteria are met: A. Adequate trial of alternatives with satisfactory observance and enforcement has failed to reduce the crash frequency; and B. 5 or more reported crashes, of types susceptible to correction by a traffic control signal, have occurred within a 12-month period, each crash involving personal injury or property damage apparently exceeding the applicable requirements for a reportable crash; and C. For each of any 8 hours of an average day, the vph given in both the 80% columns of Condition A in Table 4C-1, or the vph in both of the 80% columns of Condition B in Table 4C-1 exists on the major-street and the higher-volume minor-street approach, respectively, to the intersection, or the volume of pedestrian traffic is not less than 80% of the requirements specified in the Pedestrian Volume warrant. These major-street and minor-street volumes shall be for the same 8 hours. On the minor street, the higher volume shall not be required to be on the same approach during each of the 8 hours.
8	Roadway Network			See page 4C-7 in MUTCD

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2014 MUTCD, REV. 6)

MAJOR STREET: **Artesia Boulevard** EB WB □OF APPROACH LANES: **2**

MINOR STREET: **Flallon Avenue** NB SB □OF APPROACH LANES: **1**

CITY, STATE: **Artesia, CA**

COMMENTS: **Opening Year Plus Project Traffic Conditions**

ISOLATED COMM□NITY WITH POP□LATION LESS THAN 10,000 (Y OR N): **N**
85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **n**

			MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	Ped Count CROSSING MAJOR ST	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour	WARRANT 4	
						MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET			Ped Volume (Four-hour)	Ped Volume (Peak-hour)
THRESHOLD VALUES						**600**	**150**		**900**	**75**		**480**	**120**		**720**	**60**		**60**	**75**	**100**	**190**
06:00 AM	TO	07:00 AM	490	22								Y									
07:00 AM	TO	08:00 AM	705	30		Y						Y									
08:00 AM	TO	09:00 AM	942	30		Y			Y			Y			Y						
09:00 AM	TO	10:00 AM	970	36		Y			Y			Y			Y						
10:00 AM	TO	11:00 AM	1,049	41		Y			Y			Y			Y						
11:00 AM	TO	12:00 PM	1,285	71		Y			Y			Y			Y	Y	**Y**				
12:00 PM	TO	01:00 PM	1,434	93		Y			Y	Y	**Y**	Y			Y	Y	**Y**	**Y**			
01:00 PM	TO	02:00 PM	1,359	78		Y			Y	Y	**Y**	Y			Y	Y	**Y**				
02:00 PM	TO	03:00 PM	1,394	69		Y			Y			Y			Y	Y	**Y**				
03:00 PM	TO	04:00 PM	1,479	78		Y			Y	Y	**Y**	Y			Y	Y	**Y**				
04:00 PM	TO	05:00 PM	1,644	67		Y			Y			Y			Y	Y	**Y**				
05:00 PM	TO	06:00 PM	1,654	64		Y			Y			Y			Y	Y	**Y**				
06:00 PM	TO	07:00 PM																			
07:00 PM	TO	08:00 PM																			
08:00 PM	TO	09:00 PM																			
09:00 PM	TO	10:00 PM																			
			14,405	679		11	0	**0**	10	3	**3**	12	0	**0**	10	7	**7**	**1**	**0**	**0**	**0**
						8 HO□RS NEEDED			8 HO□RS NEEDED			8 HO□RS NEEDED for both Condition A & B						4 HRS NEEDED	1 HR NEEDED	4 HRS NEEDED	1 HR NEEDED
						NOT SATISFIED			**NOT SATISFIED**			**NOT SATISFIED**						**NOT SATISFIED**	**NOT SATISFIED**	**NOT SATISFIED**	**NOT SATISFIED**

09/28/22
Kimley-Horn and Associates

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2014 MUTCD, REV. 6)

MAJOR STREET: **Artesia Boulevard** EB WB □OF APPROACH LANES: **2**

MINOR STREET: **Roseton Avenue** NB SB □OF APPROACH LANES: **1**

CITY, STATE: **Artesia, CA**

COMMENTS: **Opening Year Plus Project Traffic Conditions**

ISOLATED COMM□NITY WITH POP□LATION LESS THAN 10,000 (Y OR N): **N**
85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): **n**

			MAJOR ST TWO-WAY TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	Ped Count CROSSING MAJOR ST	WARRANT 1 - Condition A, Part 1			WARRANT 1 - Condition B, Part 1			WARRANT 1 - Condition A, Part 2			WARRANT 1 - Condition B, Part 2			WARRANT 2 Four-Hour	WARRANT 3 Peak Hour	WARRANT 4	
						MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET			Ped Volume (Four-hour)	Ped Volume (Peak-hour)
THRESHOLD VALUES				→		**600**	**150**		**900**	**75**		**480**	**120**		**720**	**60**		**60**	**75**	**100**	**190**
06:00 AM	TO	07:00 AM	492	38								Y									
07:00 AM	TO	08:00 AM	704	43		Y						Y									
08:00 AM	TO	09:00 AM	943	44		Y			Y			Y			Y						
09:00 AM	TO	10:00 AM	975	48		Y			Y			Y			Y						
10:00 AM	TO	11:00 AM	1,058	53		Y			Y			Y			Y						
11:00 AM	TO	12:00 PM	1,290	85		Y			Y	Y	**Y**	Y			Y	Y	**Y**				
12:00 PM	TO	01:00 PM	1,456	104		Y			Y	Y	**Y**	Y			Y	Y	**Y**	**Y**			
01:00 PM	TO	02:00 PM	1,354	81		Y			Y	Y	**Y**	Y			Y	Y	**Y**				
02:00 PM	TO	03:00 PM	1,404	85		Y			Y	Y	**Y**	Y			Y	Y	**Y**	**Y**			
03:00 PM	TO	04:00 PM	1,479	77		Y			Y	Y	**Y**	Y			Y	Y	**Y**				
04:00 PM	TO	05:00 PM	1,664	74		Y			Y			Y			Y	Y	**Y**				
05:00 PM	TO	06:00 PM	1,663	70		Y			Y			Y			Y	Y	**Y**				
06:00 PM	TO	07:00 PM																			
07:00 PM	TO	08:00 PM																			
08:00 PM	TO	09:00 PM																			
09:00 PM	TO	10:00 PM																			
			14,482	802		11	0	**0**	10	5	**5**	12	0	**0**	10	7	**7**	**2**	**0**	**0**	**0**
						8 HO□RS NEEDED			8 HO□RS NEEDED			8 HO□RS NEEDED for both Condition A & B						4 HRS NEEDED	1 HR NEEDED	4 HRS NEEDED	1 HR NEEDED
						NOT SATISFIED			**NOT SATISFIED**			**NOT SATISFIED**						**NOT SATISFIED**	**NOT SATISFIED**	**NOT SATISFIED**	**NOT SATISFIED**

09/28/22
Kimley-Horn and Associates

			Entering		Exiting		Total		
			% Daily	Trips	% Daily	Trip	% Daily	Trip	
6:00	to	7:00	1.32%	17	1.87%	25	1.59%	42	
7:00	to	8:00	2.04%	27	3.55%	47	2.76%	73	
8:00	to	9:00	2.52%	34	3.69%	49	3.01%	80	
9:00	to	10:00	3.16%	42	3.30%	44	3.11%	83	
10:00	to	11:00	4.19%	56	4.26%	57	4.14%	110	
11:00	to	12:00	10.10%	134	8.43%	112	9.23%	245	
12:00	to	13:00	11.61%	154	11.52%	153	11.54%	307	
13:00	to	14:00	8.89%	118	8.78%	117	8.85%	235	
14:00	to	15:00	7.33%	98	7.27%	97	7.33%	195	
15:00	to	16:00	8.92%	119	8.23%	109	8.59%	228	
16:00	to	17:00	7.30%	97	6.33%	84	6.82%	181	
17:00	to	18:00	6.92%	92	7.17%	95	7.04%	187	

#3 Flallon Avenue & Artesia Boulevard

Existing (Unadjusted) Intersection Counts

			EB	WB	NB	SB	Major Total	Minor Total	Total
6:00	to	7:00	193	226	0	8	419	8	427
7:00	to	8:00	232	370	0	5	602	5	607
8:00	to	9:00	348	458	0	4	806	4	810
9:00	to	10:00	394	431	0	12	825	12	837
10:00	to	11:00	455	429	0	11	884	11	895
11:00	to	12:00	501	532	0	13	1033	13	1046
12:00	to	13:00	573	577	0	14	1150	14	1164
13:00	to	14:00	520	590	0	17	1110	17	1127
14:00	to	15:00	546	610	0	18	1156	18	1174
15:00	to	16:00	603	613	0	20	1216	20	1236
16:00	to	17:00	697	680	0	22	1377	22	1399
17:00	to	18:00	716	675	0	14	1391	14	1405

Project Trip Assignment

			EB	WB	NB	SB	Major Total	Minor Total	Total
			15%	70%	0%	50%			
6:00	to	7:00	3	12	0	13	15	13	28
7:00	to	8:00	4	19	0	24	23	24	47
8:00	to	9:00	5	24	0	25	29	25	54
9:00	to	10:00	6	29	0	22	35	22	57
10:00	to	11:00	8	39	0	29	47	29	76
11:00	to	12:00	20	94	0	56	114	56	170
12:00	to	13:00	23	108	0	77	131	77	208
13:00	to	14:00	18	83	0	59	101	59	160
14:00	to	15:00	15	69	0	49	84	49	133
15:00	to	16:00	18	83	0	55	101	55	156
16:00	to	17:00	15	68	0	42	83	42	125
17:00	to	18:00	14	64	0	48	78	48	126

Ex Count Adj 110.00□

Total Intersection Volumes

Growth □ 3.03□

			EB	WB	NB	SB	Major Total	Minor Total	Total
6:00	to	7:00	222	268	0	22	490	22	512
7:00	to	8:00	267	438	0	30	705	30	735
8:00	to	9:00	399	543	0	30	942	30	972
9:00	to	10:00	453	517	0	36	970	36	1006
10:00	to	11:00	524	525	0	41	1049	41	1090
11:00	to	12:00	588	697	0	71	1285	71	1356
12:00	to	13:00	672	762	0	93	1434	93	1527
13:00	to	14:00	607	752	0	78	1359	78	1437
14:00	to	15:00	634	760	0	69	1394	69	1463
15:00	to	16:00	701	778	0	78	1479	78	1557
16:00	to	17:00	805	839	0	67	1644	67	1711
17:00	to	18:00	825	829	0	64	1654	64	1718

			Entering		Exiting		Total		
			% Daily	Trips	% Daily	Trip	% Daily	Trip	
6:00	to	7:00	1.32%	17	1.87%	25	1.59%	42	
7:00	to	8:00	2.04%	27	3.55%	47	2.76%	73	
8:00	to	9:00	2.52%	34	3.69%	49	3.01%	80	
9:00	to	10:00	3.16%	42	3.30%	44	3.11%	83	
10:00	to	11:00	4.19%	56	4.26%	57	4.14%	110	
11:00	to	12:00	10.10%	134	8.43%	112	9.23%	245	
12:00	to	13:00	11.61%	154	11.52%	153	11.54%	307	
13:00	to	14:00	8.89%	118	8.78%	117	8.85%	235	
14:00	to	15:00	7.33%	98	7.27%	97	7.33%	195	
15:00	to	16:00	8.92%	119	8.23%	109	8.59%	228	
16:00	to	17:00	7.30%	97	6.33%	84	6.82%	181	
17:00	to	18:00	6.92%	92	7.17%	95	7.04%	187	

#3 Alburtis Avenue & Artesia Boulevard

Existing (Unadjusted) Intersection Counts

			EB	WB	NB	SB	Major Total	Minor Total	Total
6:00	to	7:00	200	221	0	22	421	22	443
7:00	to	8:00	236	365	0	17	601	17	618
8:00	to	9:00	347	460	0	17	807	17	824
9:00	to	10:00	400	430	0	23	830	23	853
10:00	to	11:00	457	435	0	21	892	21	913
11:00	to	12:00	503	535	0	26	1038	26	1064
12:00	to	13:00	574	595	0	24	1169	24	1193
13:00	to	14:00	523	582	0	19	1105	19	1124
14:00	to	15:00	558	607	0	32	1165	32	1197
15:00	to	16:00	608	608	0	19	1216	19	1235
16:00	to	17:00	702	693	0	28	1395	28	1423
17:00	to	18:00	719	679	0	19	1398	19	1417

Project Trip Assignment

			EB	WB	NB	SB	Major Total	Minor Total	Total
			15%	70%	0%	50%			
6:00	to	7:00	3	12	0	13	15	13	28
7:00	to	8:00	4	19	0	24	23	24	47
8:00	to	9:00	5	24	0	25	29	25	54
9:00	to	10:00	6	29	0	22	35	22	57
10:00	to	11:00	8	39	0	29	47	29	76
11:00	to	12:00	20	94	0	56	114	56	170
12:00	to	13:00	23	108	0	77	131	77	208
13:00	to	14:00	18	83	0	59	101	59	160
14:00	to	15:00	15	69	0	49	84	49	133
15:00	to	16:00	18	83	0	55	101	55	156
16:00	to	17:00	15	68	0	42	83	42	125
17:00	to	18:00	14	64	0	48	78	48	126

Ex Count Adj 110.00□

Total Intersection Volumes

Growth □ 3.03□

			EB	WB	NB	SB	Major Total	Minor Total	Total
6:00	to	7:00	230	262	0	38	492	38	530
7:00	to	8:00	271	433	0	43	704	43	747
8:00	to	9:00	398	545	0	44	943	44	987
9:00	to	10:00	459	516	0	48	975	48	1023
10:00	to	11:00	526	532	0	53	1058	53	1111
11:00	to	12:00	590	700	0	85	1290	85	1375
12:00	to	13:00	674	782	0	104	1456	104	1560
13:00	to	14:00	611	743	0	81	1354	81	1435
14:00	to	15:00	647	757	0	85	1404	85	1489
15:00	to	16:00	707	772	0	77	1479	77	1556
16:00	to	17:00	811	853	0	74	1664	74	1738
17:00	to	18:00	829	834	0	70	1663	70	1733

This is a modified Time of Day Distribution based on a weighted average (trip gen ADT)

LU 220	512	19.26%
LU 712	33	1.25%
LU 872	228	8.57%
LU 933	1,886	70.92%
	2,659	

Time	Total	Entering	Exiting
12:00 - 1:00 AM	0.63%	0.58%	0.69%
1:00 - 2:00 AM	0.55%	0.30%	0.80%
2:00 - 3:00 AM	0.09%	0.08%	0.11%
3:00 - 4:00 AM	0.07%	0.08%	0.06%
4:00 - 5:00 AM	0.17%	0.06%	0.28%
5:00 - 6:00 AM	0.42%	0.22%	0.62%
6:00 - 7:00 AM	1.59%	1.32%	1.87%
7:00 - 8:00 AM	2.76%	2.04%	3.55%
8:00 - 9:00 AM	3.01%	2.52%	3.69%
9:00 - 10:00 AM	3.11%	3.16%	3.30%
10:00 - 11:00 AM	4.14%	4.19%	4.26%
11:00 - 12:00 PM	9.23%	10.10%	8.43%
12:00 - 1:00 PM	11.54%	11.61%	11.52%
1:00 - 2:00 PM	8.85%	8.89%	8.78%
2:00 - 3:00 PM	7.33%	7.33%	7.27%
3:00 - 4:00 PM	8.59%	8.92%	8.23%
4:00 - 5:00 PM	6.82%	7.30%	6.33%
5:00 - 6:00 PM	7.04%	6.92%	7.17%
6:00 - 7:00 PM	6.71%	6.74%	6.67%
7:00 - 8:00 PM	4.75%	4.83%	4.63%
8:00 - 9:00 PM	5.02%	5.27%	4.51%
9:00 - 10:00 PM	4.15%	4.17%	3.75%
10:00 - 11:00 PM	2.34%	2.11%	2.58%
11:00 - 12:00 AM	1.10%	1.20%	1.00%
	100.00%	99.94%	100.10%

Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use

Source: ITE *Trip Generation Manual*, 11th Edition

Land Use Code	220			220		
Land Use	Multifamily Housing (Low-Rise)			Multifamily Housing (Low-Rise)		
Subcategory	Not Close to Rail Transit			Close to Rail Transit		
Setting	General Urban/Suburban			General Urban/Suburban		
Time Period	Weekday			Weekday		
# Data Sites	6			1		
	% of 24-Hour Vehicle Trips			% of 24-Hour Vehicle Trips		
Time	Total	Entering	Exiting	Total	Entering	Exiting
12:00 - 1:00 AM	0.7%	0.9%	0.4%	0.4%	0.4%	0.3%
1:00 - 2:00 AM	0.4%	0.5%	0.3%	0.2%	0.1%	0.2%
2:00 - 3:00 AM	0.4%	0.4%	0.4%	0.1%	0.2%	0.0%
3:00 - 4:00 AM	0.4%	0.4%	0.3%	0.2%	0.1%	0.2%
4:00 - 5:00 AM	0.9%	0.3%	1.4%	0.2%	0.2%	0.1%
5:00 - 6:00 AM	1.6%	0.5%	2.6%	2.4%	0.9%	4.0%
6:00 - 7:00 AM	4.2%	1.4%	6.9%	4.4%	2.0%	6.7%
7:00 - 8:00 AM	6.5%	2.0%	10.8%	7.2%	4.2%	10.3%
8:00 - 9:00 AM	5.8%	3.1%	8.5%	5.2%	3.4%	6.9%
9:00 - 10:00 AM	3.9%	2.9%	4.9%	4.4%	3.1%	5.7%
10:00 - 11:00 AM	3.6%	2.4%	4.8%	3.9%	3.4%	4.4%
11:00 - 12:00 PM	4.3%	3.8%	4.7%	5.4%	6.4%	4.4%
12:00 - 1:00 PM	4.3%	4.5%	4.1%	6.1%	5.8%	6.5%
1:00 - 2:00 PM	4.2%	4.0%	4.4%	4.7%	4.1%	5.4%
2:00 - 3:00 PM	5.2%	5.6%	4.9%	6.8%	7.5%	6.1%
3:00 - 4:00 PM	6.1%	6.9%	5.3%	6.5%	7.6%	5.4%
4:00 - 5:00 PM	7.9%	10.1%	5.6%	9.5%	11.6%	7.5%
5:00 - 6:00 PM	9.5%	11.4%	7.6%	11.2%	13.5%	8.9%
6:00 - 7:00 PM	8.2%	9.7%	6.7%	7.2%	7.7%	6.6%
7:00 - 8:00 PM	6.4%	8.1%	4.7%	6.1%	7.5%	4.7%
8:00 - 9:00 PM	5.9%	7.7%	4.2%	3.2%	4.2%	2.2%
9:00 - 10:00 PM	4.4%	6.0%	2.7%	2.4%	3.3%	1.5%
10:00 - 11:00 PM	3.5%	4.7%	2.4%	1.3%	1.5%	1.0%
11:00 - 12:00 AM	1.9%	2.5%	1.4%	1.1%	1.2%	1.0%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use

Source: ITE *Trip Generation Manual*, 11th Edition

Land Use Code	933		
Land Use	Restaurant without Drive-Throug		
Setting	General Urban/Suburban		
Time Period	Weekday		
# Data Sites	7		
	% of 24-Hour Vehicle Trips		
Time	Total	Entering	Exiting
12:00 - 1:00 AM	0.7%	0.6%	0.9%
1:00 - 2:00 AM	0.7%	0.3%	1.0%
2:00 - 3:00 AM	0.0%	0.0%	0.1%
3:00 - 4:00 AM	0.0%	0.0%	0.0%
4:00 - 5:00 AM	0.0%	0.0%	0.0%
5:00 - 6:00 AM	0.2%	0.2%	0.2%
6:00 - 7:00 AM	1.1%	1.4%	0.7%
7:00 - 8:00 AM	1.8%	1.9%	1.7%
8:00 - 9:00 AM	1.9%	1.8%	2.1%
9:00 - 10:00 AM	2.5%	2.7%	2.4%
10:00 - 11:00 AM	3.9%	4.2%	3.7%
11:00 - 12:00 PM	10.9%	12.2%	9.6%
12:00 - 1:00 PM	14.1%	14.2%	14.1%
1:00 - 2:00 PM	10.4%	10.5%	10.2%
2:00 - 3:00 PM	8.0%	7.9%	8.1%
3:00 - 4:00 PM	9.4%	9.6%	9.1%
4:00 - 5:00 PM	6.4%	6.5%	6.3%
5:00 - 6:00 PM	6.2%	5.6%	6.8%
6:00 - 7:00 PM	6.2%	5.9%	6.6%
7:00 - 8:00 PM	3.9%	3.6%	4.3%
8:00 - 9:00 PM	4.5%	4.5%	4.4%
9:00 - 10:00 PM	3.9%	3.7%	4.0%
10:00 - 11:00 PM	2.3%	1.7%	3.0%
11:00 - 12:00 AM	1.0%	1.0%	1.0%
	0.0%	0.0%	0.0%

Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use

Source: ITE *Trip Generation Manual*, 11th Edition

Land Use Code	712		
Land Use	Small Office Building		
Setting	General Urban/Suburban		
Time Period	Weekday		
# Data Sites	22		
	% of 24-Hour Vehicle Trips		
Time	Total	Entering	Exiting
12:00 - 1:00 AM	0.0%	0.0%	0.0%
1:00 - 2:00 AM	0.0%	0.0%	0.0%
2:00 - 3:00 AM	0.0%	0.0%	0.0%
3:00 - 4:00 AM	0.0%	0.0%	0.0%
4:00 - 5:00 AM	0.0%	0.0%	0.0%
5:00 - 6:00 AM	0.0%	0.0%	0.0%
6:00 - 7:00 AM	0.0%	0.0%	0.0%
7:00 - 8:00 AM	3.6%	6.8%	0.4%
8:00 - 9:00 AM	9.5%	15.0%	3.9%
9:00 - 10:00 AM	6.9%	9.5%	4.3%
10:00 - 11:00 AM	7.4%	8.4%	6.4%
11:00 - 12:00 PM	10.5%	8.2%	12.8%
12:00 - 1:00 PM	12.6%	10.9%	14.2%
1:00 - 2:00 PM	7.6%	8.6%	6.6%
2:00 - 3:00 PM	9.6%	9.7%	9.5%
3:00 - 4:00 PM	10.8%	10.3%	11.3%
4:00 - 5:00 PM	8.1%	7.2%	9.1%
5:00 - 6:00 PM	11.2%	4.7%	17.7%
6:00 - 7:00 PM	2.2%	0.6%	3.7%
7:00 - 8:00 PM	0.0%	0.0%	0.0%
8:00 - 9:00 PM	0.0%	0.0%	0.0%
9:00 - 10:00 PM	0.0%	0.0%	0.0%
10:00 - 11:00 PM	0.0%	0.0%	0.0%
11:00 - 12:00 AM	0.0%	0.0%	0.0%
	0.0%	0.0%	0.0%

Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use

Source: ITE *Trip Generation Manual*, 11th Edition

Land Use Code	822		
Land Use	Strip Retail Plaza		
Setting	General Urban/Suburban		
Time Period	Weekday		
# Data Sites	2		
	% of 16-Hour Vehicle Trips		
Time	Total	Entering	Exiting
12:00 - 1:00 AM	0.0%	0.0%	0.0%
1:00 - 2:00 AM	0.0%	0.0%	0.0%
2:00 - 3:00 AM	0.0%	0.0%	0.0%
3:00 - 4:00 AM	0.0%	0.0%	0.0%
4:00 - 5:00 AM	0.0%	0.0%	0.0%
5:00 - 6:00 AM	0.0%	0.0%	0.0%
6:00 - 7:00 AM	0.5%	0.6%	0.6%
7:00 - 8:00 AM	2.2%	2.7%	2.8%
8:00 - 9:00 AM	4.5%	5.6%	5.9%
9:00 - 10:00 AM	5.8%	7.1%	7.4%
10:00 - 11:00 AM	6.5%	7.5%	7.6%
11:00 - 12:00 PM	6.3%	6.8%	6.8%
12:00 - 1:00 PM	6.1%	6.4%	6.4%
1:00 - 2:00 PM	6.9%	6.8%	6.8%
2:00 - 3:00 PM	6.1%	5.8%	5.9%
3:00 - 4:00 PM	7.4%	7.2%	7.2%
4:00 - 5:00 PM	8.0%	7.9%	7.9%
5:00 - 6:00 PM	8.0%	7.9%	7.9%
6:00 - 7:00 PM	8.0%	7.9%	7.9%
7:00 - 8:00 PM	8.5%	8.2%	8.2%
8:00 - 9:00 PM	8.5%	6.8%	7.1%
9:00 - 10:00 PM	6.7%	4.1%	4.7%
10:00 - 11:00 PM	0.0%	0.0%	0.0%
11:00 - 12:00 AM	0.0%	0.0%	0.0%
	100.0%	99.3%	101.2%

Appendix 4.11-1

Sacred Lands File Search Negative Letter

Appendix 4.11-1

Sacred Lands File Search Negative Letter

Prepared by

Kimley»Horn

Expect More. Experience Better.

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

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Luiseño

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Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

May 23, 2022

Okina Dor
City of Artesia

Via Email to: odorr@cityofartesia.us

Re: Artesia Boulevard Corridor Specific Plan Amendment Project, Los Angeles County

Dear Ms. Dor:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

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

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Appendix 4.11-2

Native American Tribal Consultation Correspondence

Appendix 4.11-2

Native American Tribal Consultation Correspondence

Prepared by

Kimley»Horn

Expect More. Experience Better.

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrielino-Tongva Tribe
Charles Alvarez
23454 Vanowen Street
West Hills, CA, 91307

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Alvarez,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

The Project site consists of one approximately 3.29-acre property (Assessor's Parcel Number 7035-016-064) located at 11709 Artesia Boulevard in the City's Artesia Boulevard Corridor Specific Plan (ABCSP) area. The Project site is generally bound by Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. **Figure 1: Regional Vicinity Map** depicts the Project site in a regional context. **Figure 2: Local Vicinity Map** depicts the Project site in a local context. The Project site is currently vacant. The Project proposes to construct a mixed-use development generally comprised of two portions: a commercial portion and a residential portion, connected by pedestrian walkways. In total, the development proposes approximately 8,650 square feet of commercial uses and 80 dwelling units.

The Project would also include approximately 216 off-street surface parking spaces and 22 off-site street parking spaces, and landscaping and circulation improvements. It is preliminarily anticipated the Project will require a Specific Plan Amendment to allow the proposed mixed-use development.

If you desire to consult with the City on review of this Project regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074), please provide a written request for consultation to the address above or via email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 30 days of receipt of this letter should you wish to consult under AB 52. Please also include the name of a designated lead contact person and their contact information. Should the City not receive a response from your tribe within 30 days, it will be presumed that you have declined consultation. If you have any questions or need additional information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, M L for

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

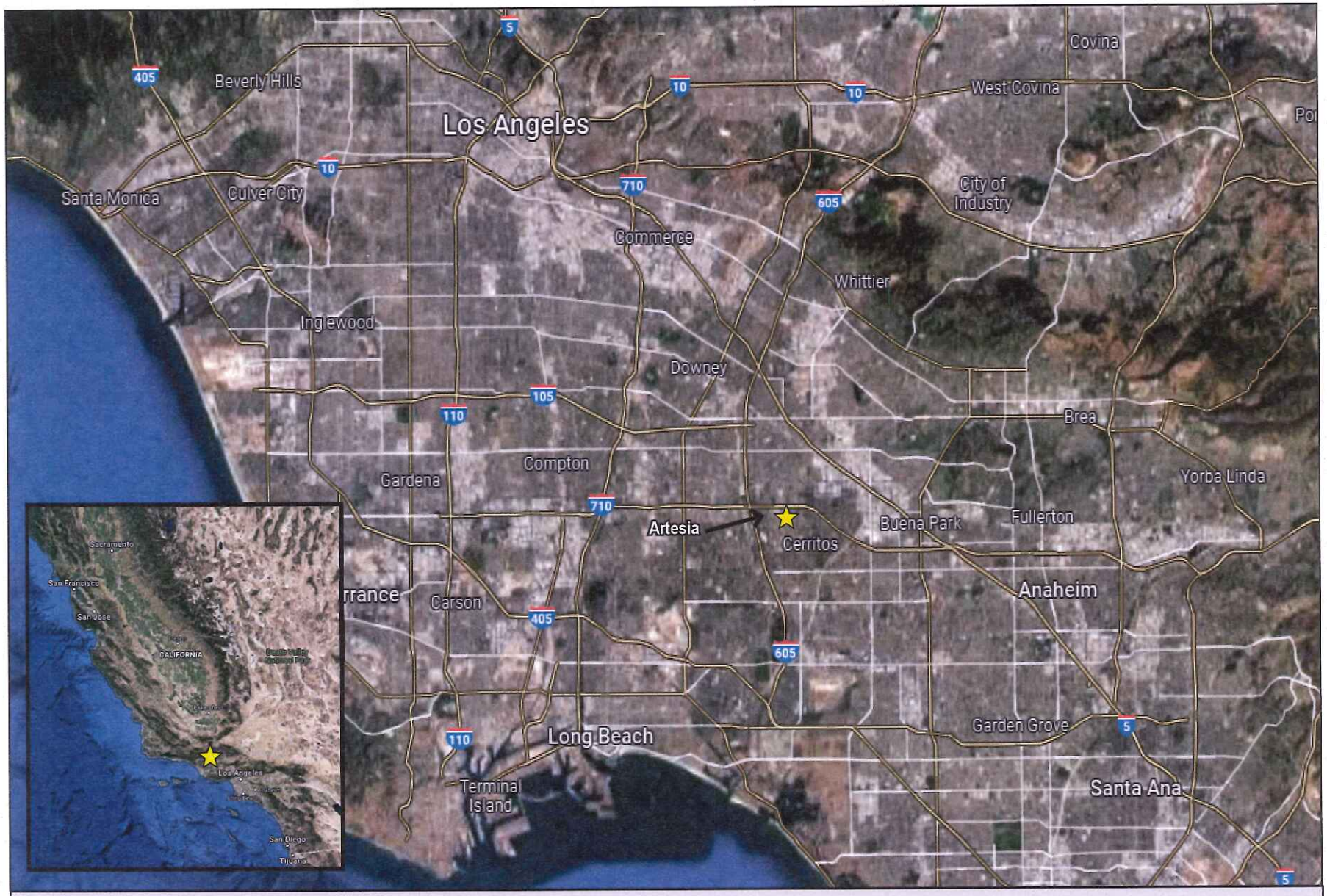

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

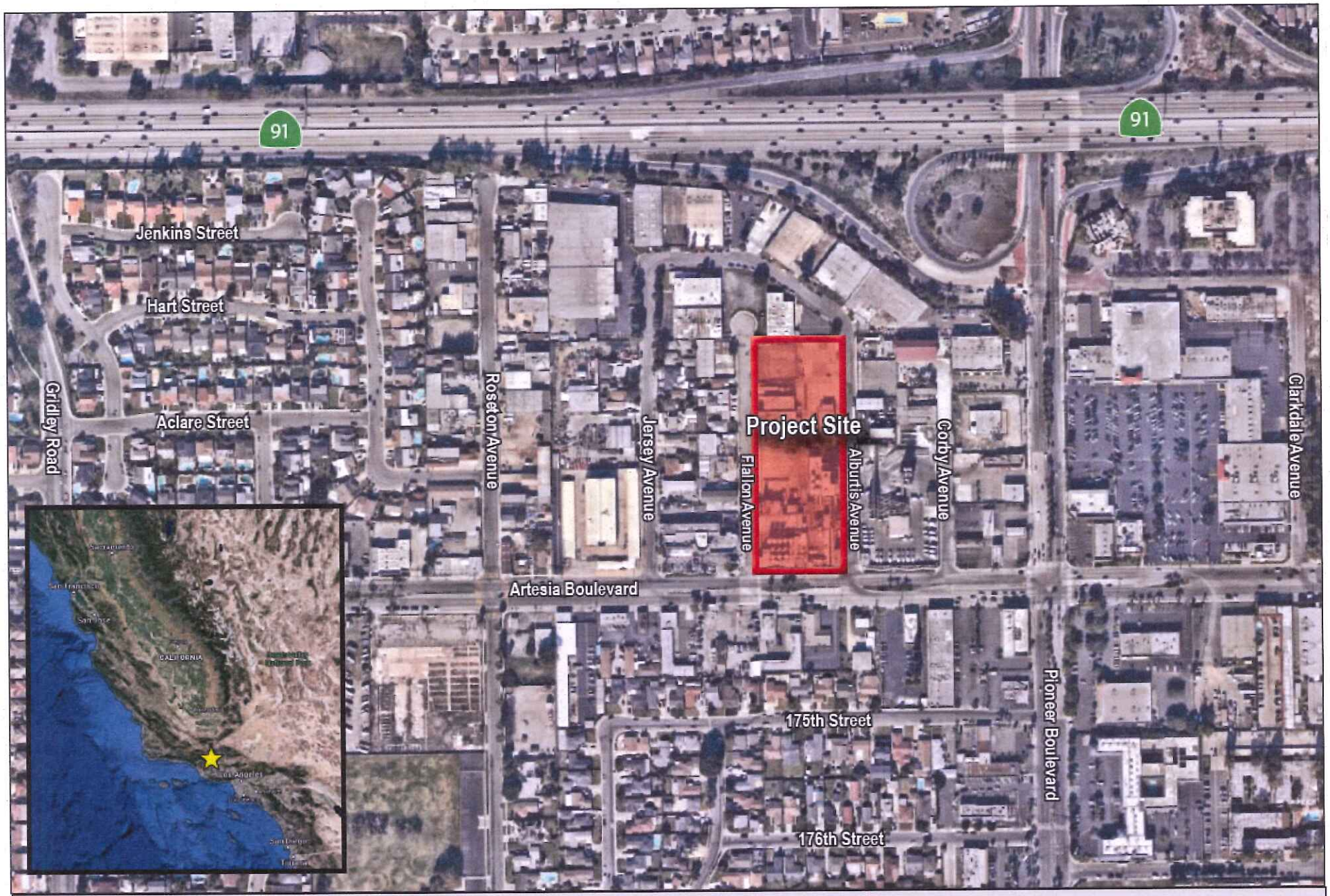

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos
San Juan Capistrano, CA, 92675

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Belardes,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

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Sincerely, ML FOR

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

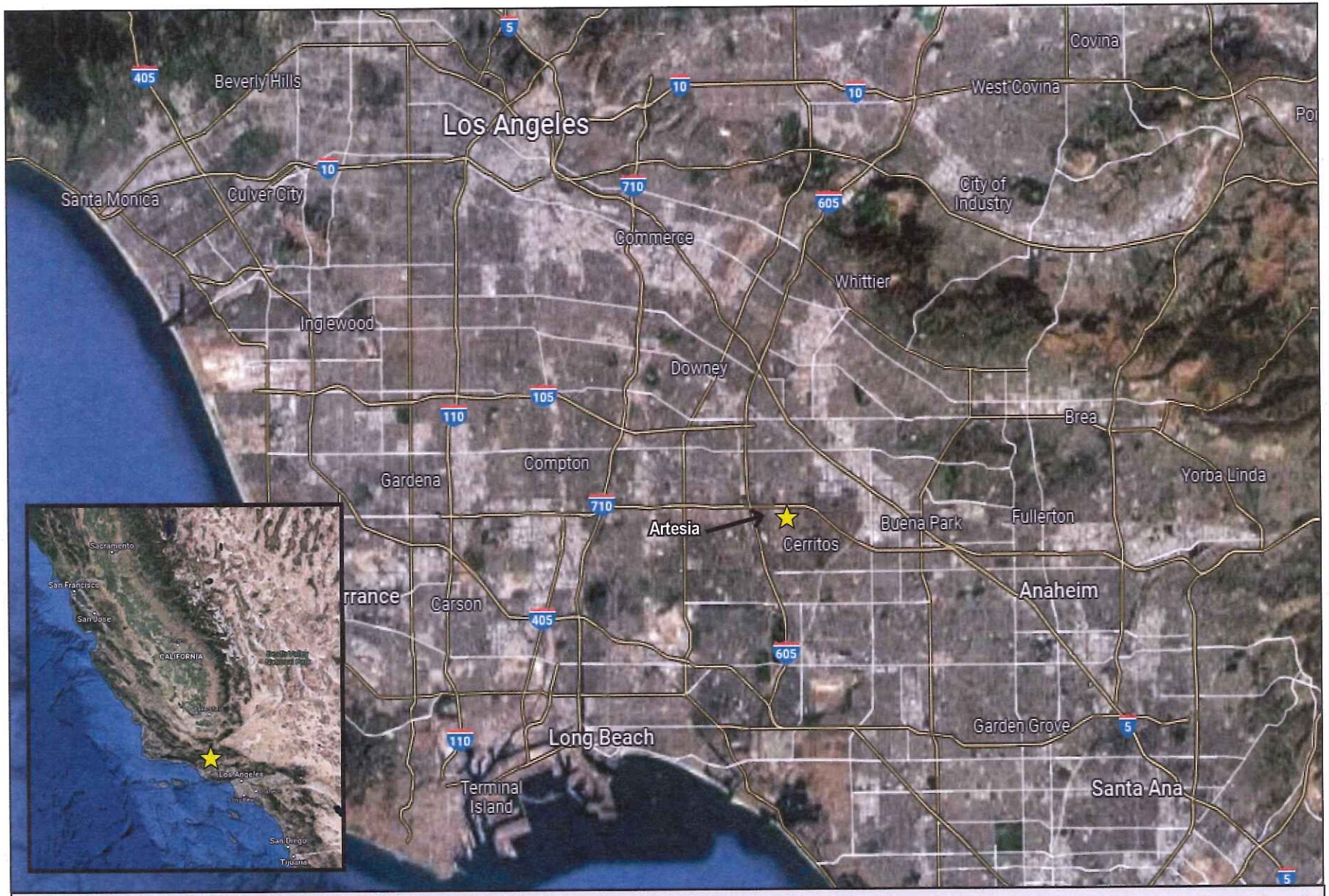

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

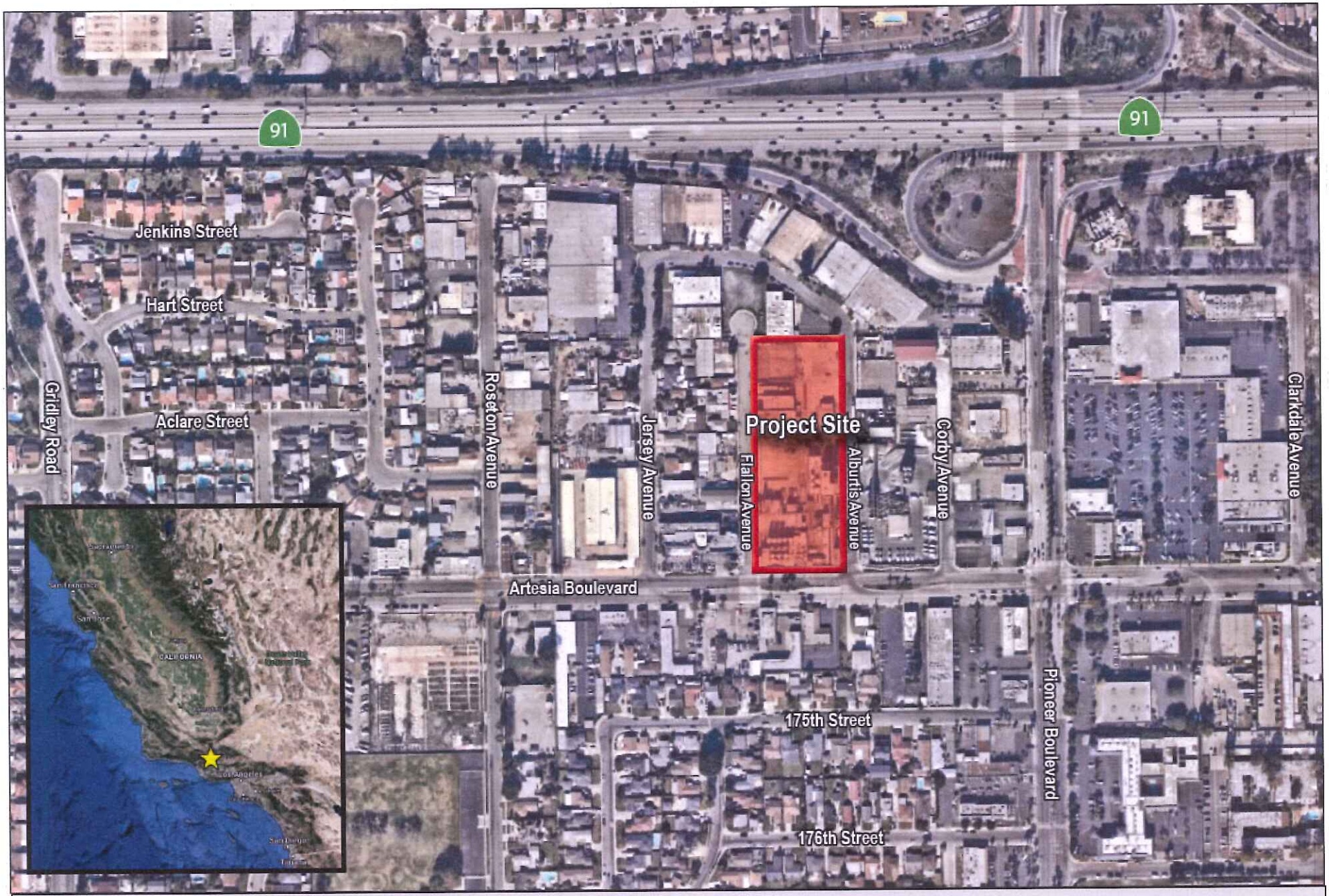

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 Bellflower, CA, 90707

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Dorame,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

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The Project would also include approximately 216 off-street surface parking spaces and 22 off-site street parking spaces, and landscaping and circulation improvements. It is preliminarily anticipated the Project will require a Specific Plan Amendment to allow the proposed mixed-use development.

If you desire to consult with the City on review of this Project regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074), please provide a written request for consultation to the address above or via email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 30 days of receipt of this letter should you wish to consult under AB 52. Please also include the name of a designated lead contact person and their contact information. Should the City not receive a response from your tribe within 30 days, it will be presumed that you have declined consultation. If you have any questions or need additional information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, ML For

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

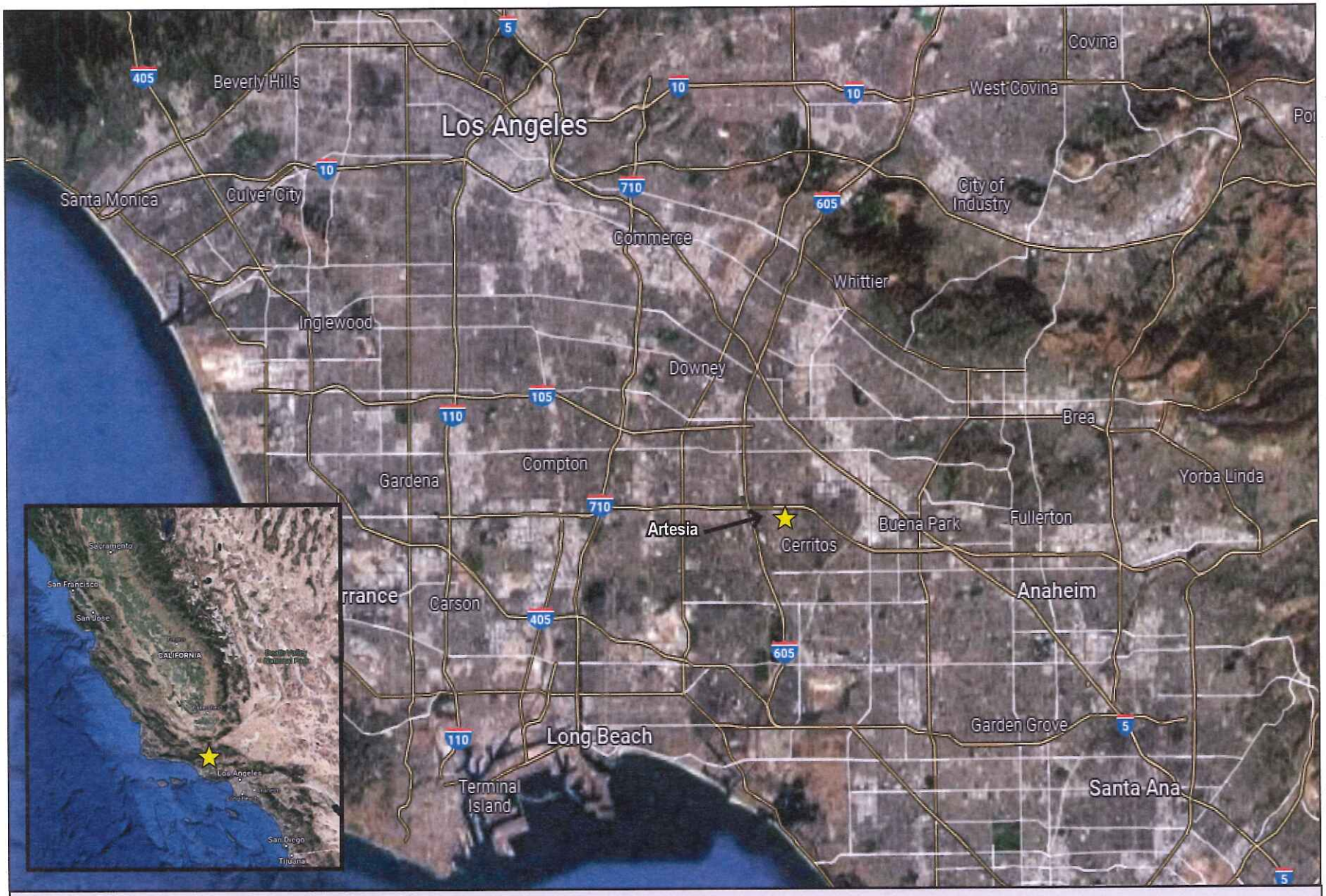

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

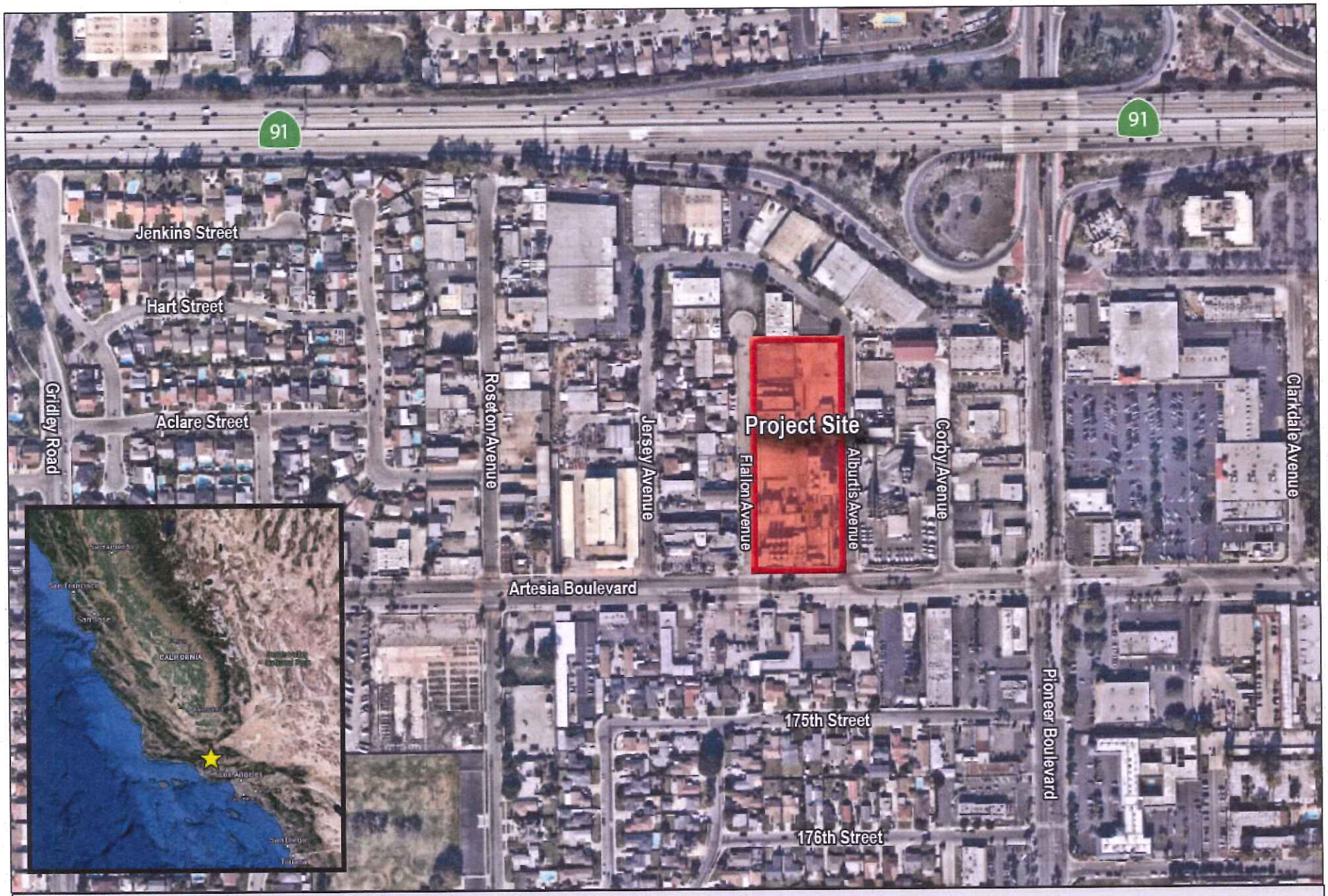

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231
Los Angeles, CA, 90012

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Goad,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

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If you desire to consult with the City on review of this Project regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074), please provide a written request for consultation to the address above or via email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 30 days of receipt of this letter should you wish to consult under AB 52. Please also include the name of a designated lead contact person and their contact information. Should the City not receive a response from your tribe within 30 days, it will be presumed that you have declined consultation. If you have any questions or need additional information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, ML For

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

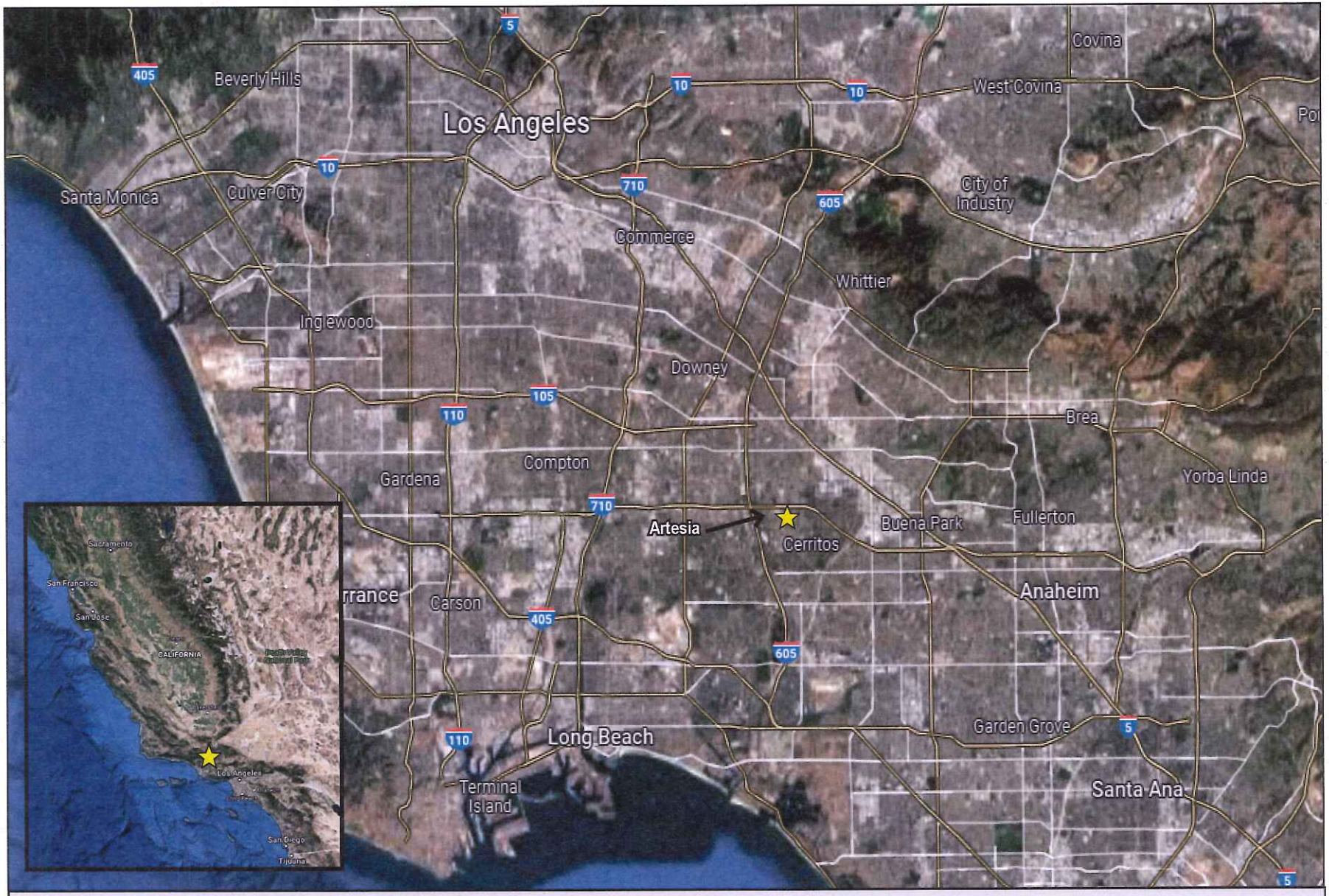

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

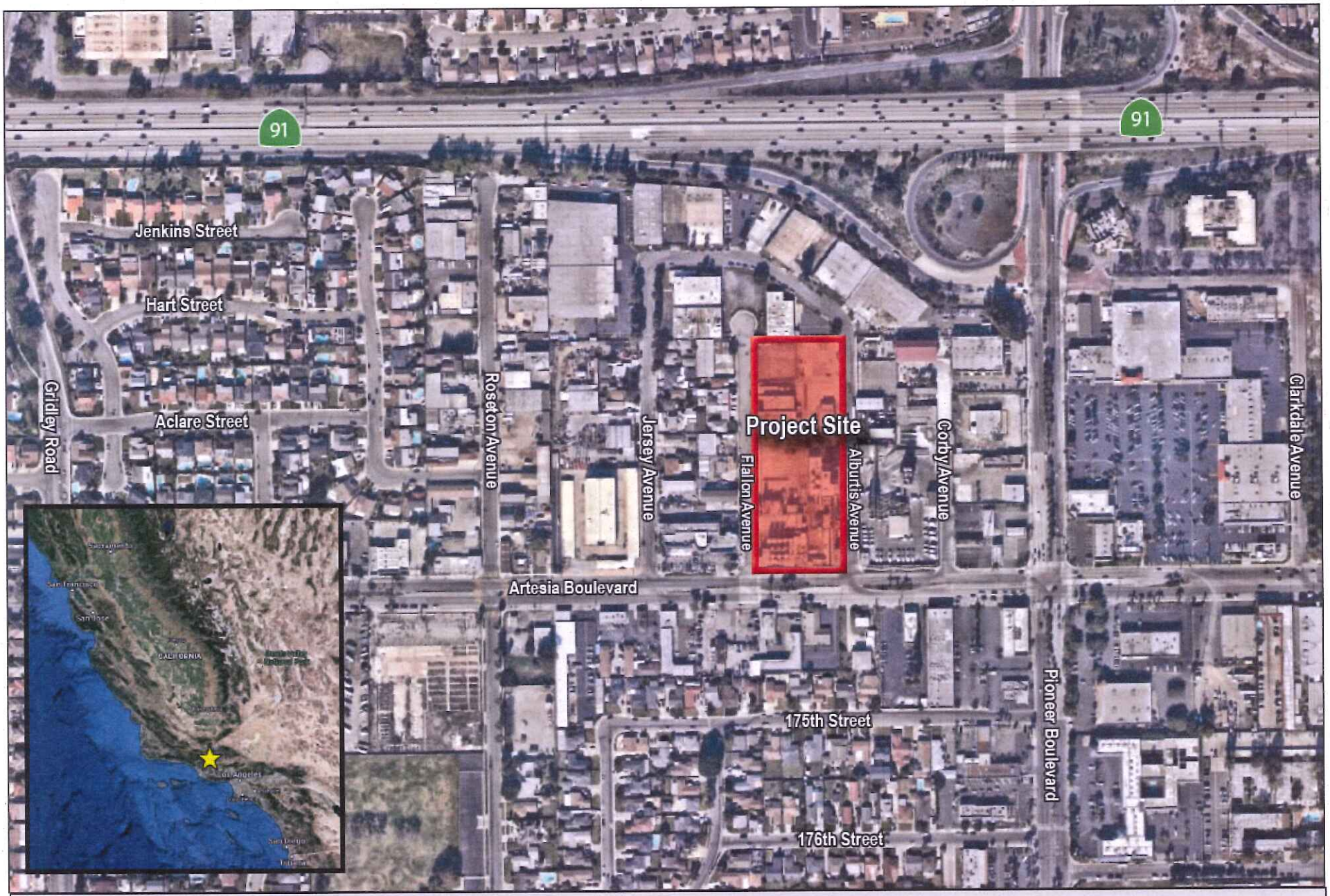

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

N

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

September 14, 2022

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
PO Box 941078
Simi Valley, CA 93094

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Christina:

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

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Sincerely,

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

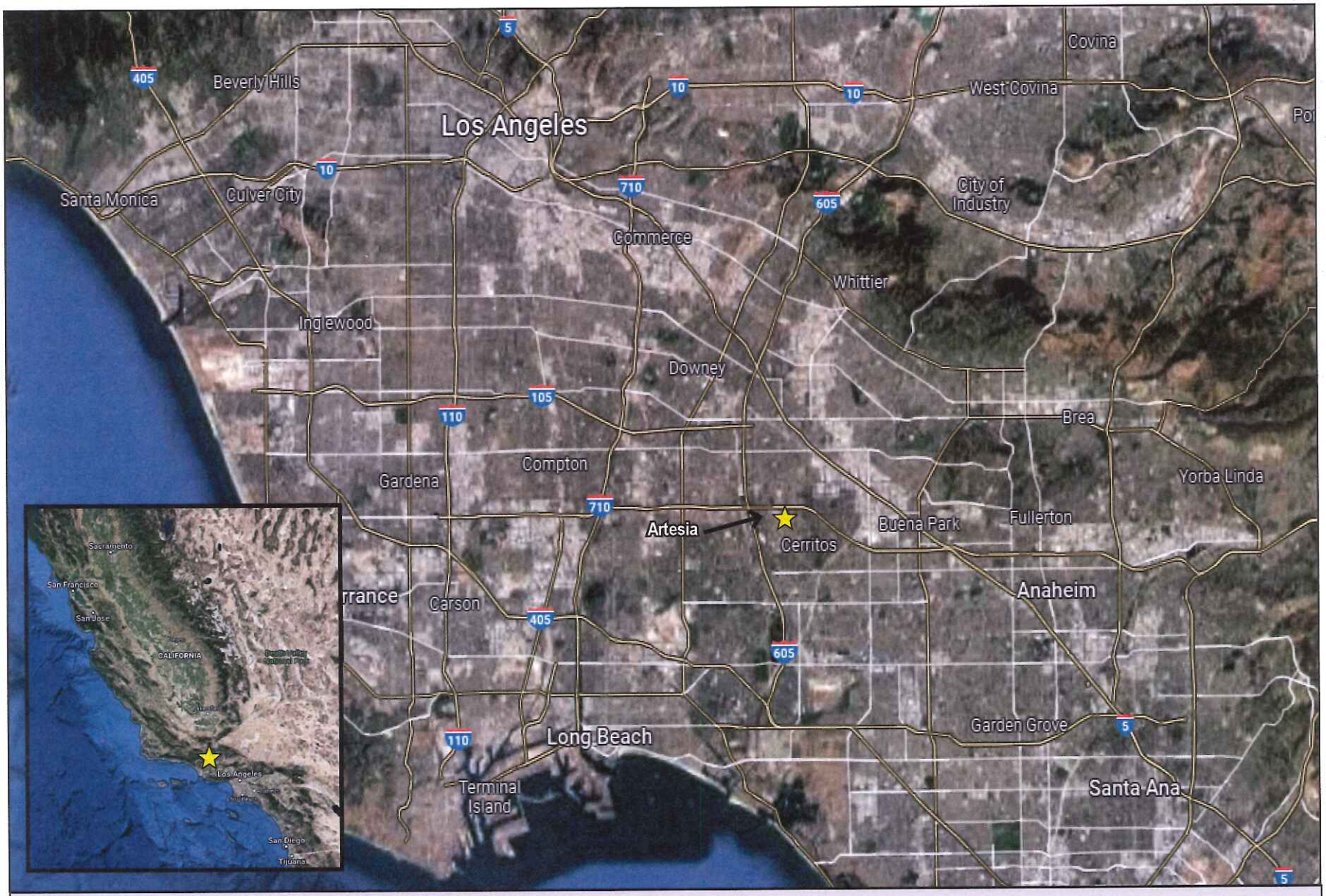

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

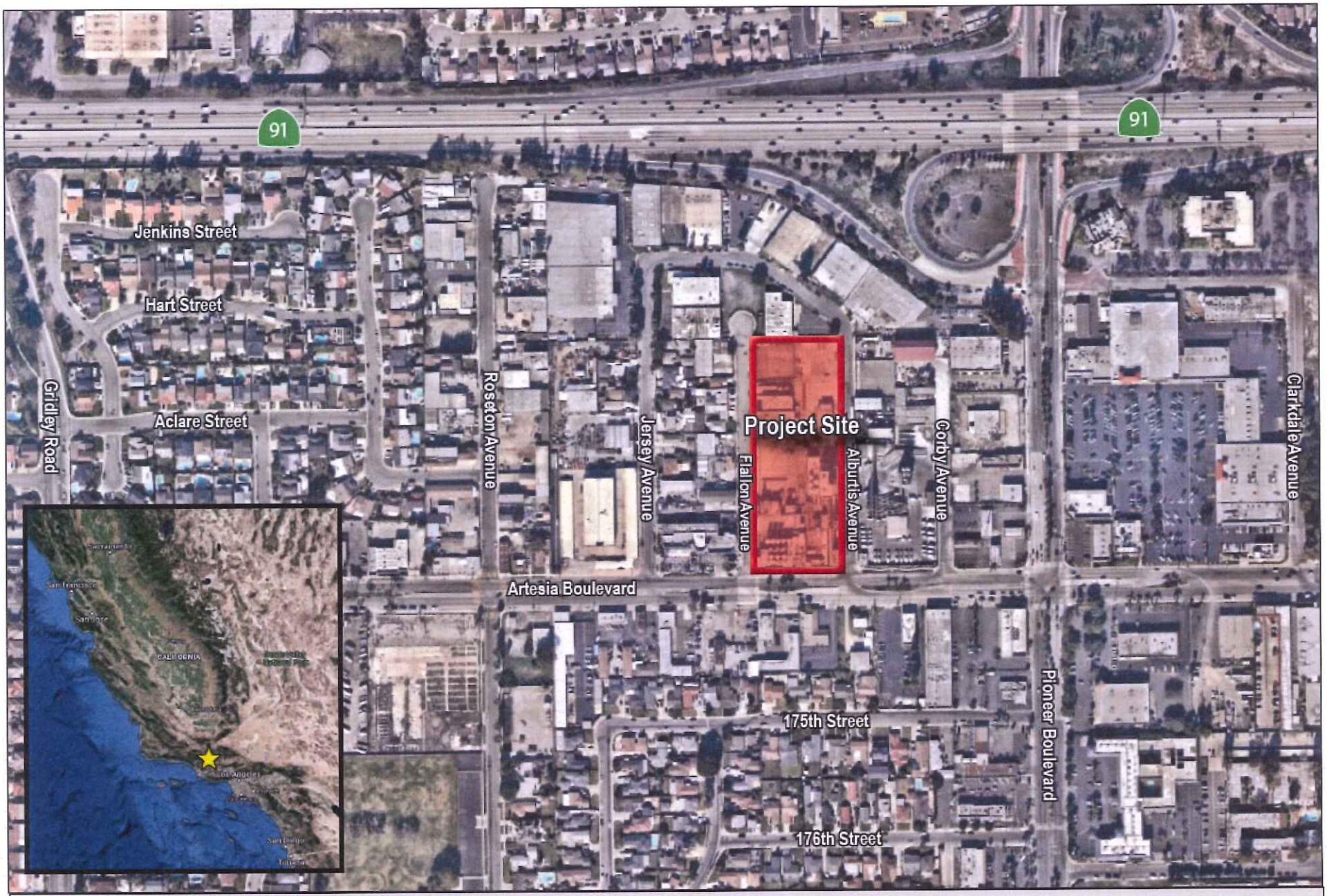

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

September 14, 2022

Juaneno Band of Mission Indians Acjachemen Nation – Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos
San Juan Capistrano, CA 92675

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Matias:

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

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Sincerely,

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

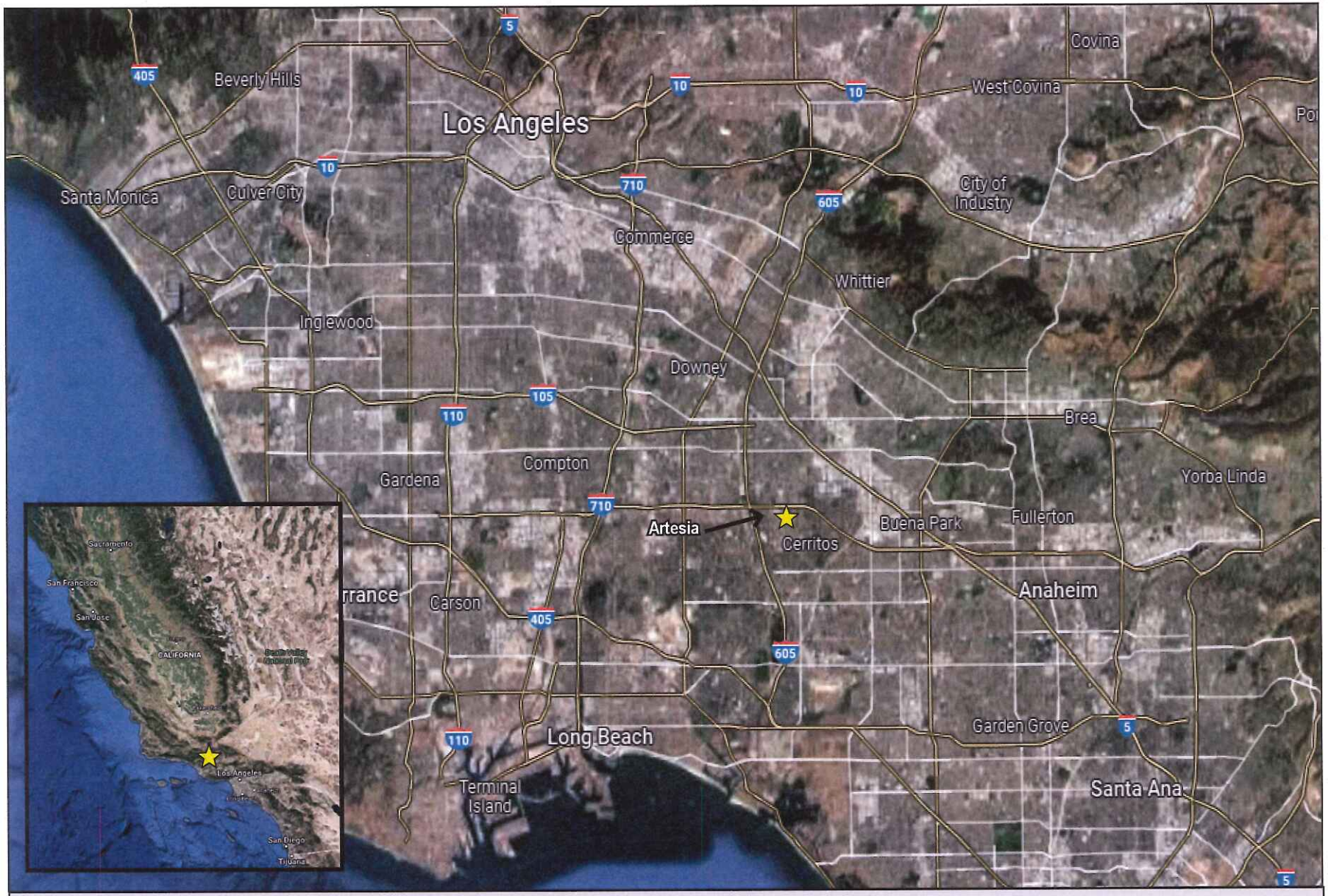


FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

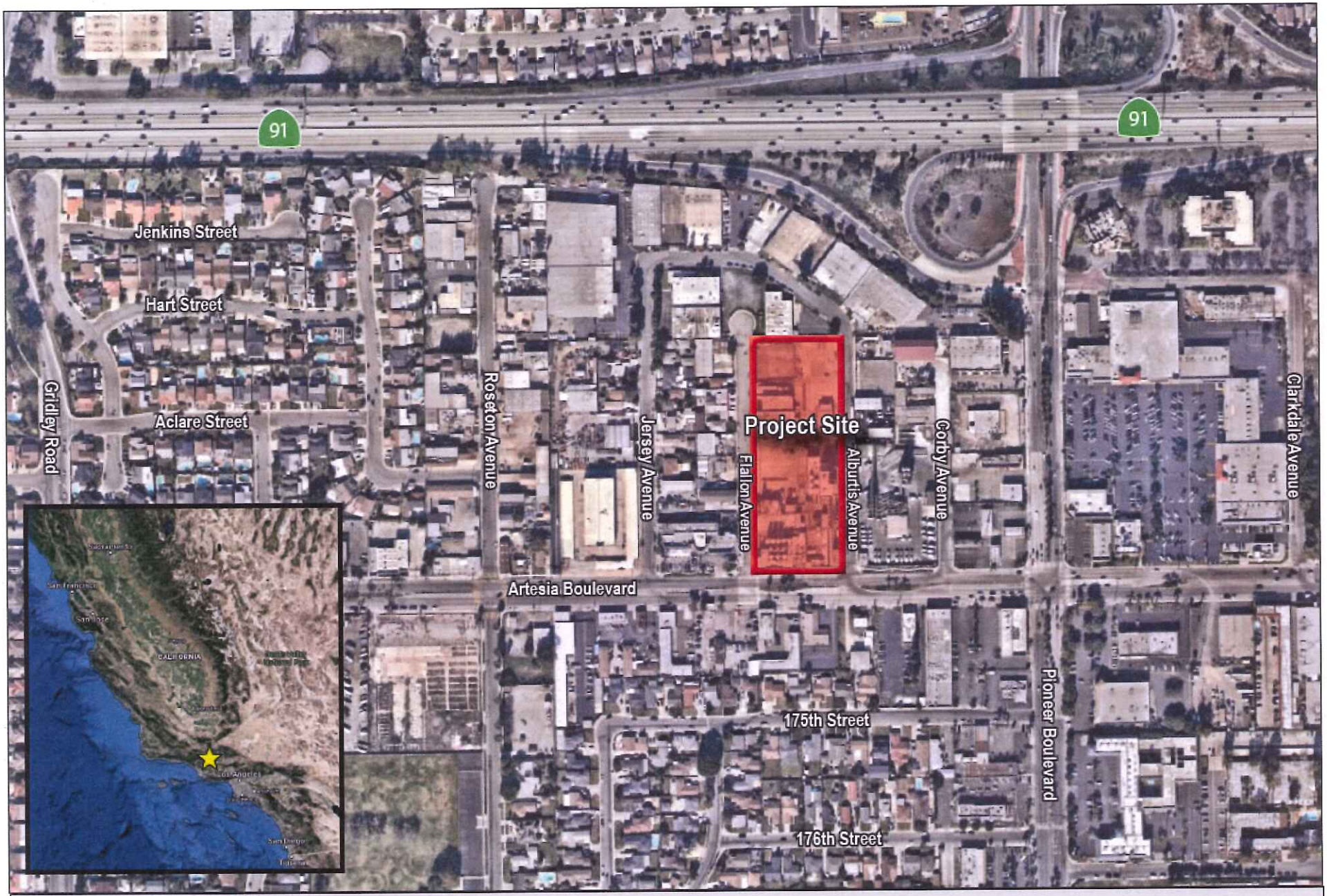


FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

September 14, 2022

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
PO Box 487
San Jacinto, CA 92581

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Joseph:

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

The Project site consists of one approximately 3.29-acre property (Assessor's Parcel Number 7035-016-064) located at 11709 Artesia Boulevard in the City's Artesia Boulevard Corridor Specific Plan (ABCSP) area. The Project site is generally bound by Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. **Figure 1: Regional Vicinity Map** depicts the Project site in a regional context. **Figure 2: Local Vicinity Map** depicts the Project site in a local context. The Project site is currently vacant. The Project proposes to construct a mixed-use development generally comprised of two portions: a commercial portion and a residential portion, connected by pedestrian walkways. In total, the development proposes approximately 8,650 square feet of commercial uses and 80 dwelling units.

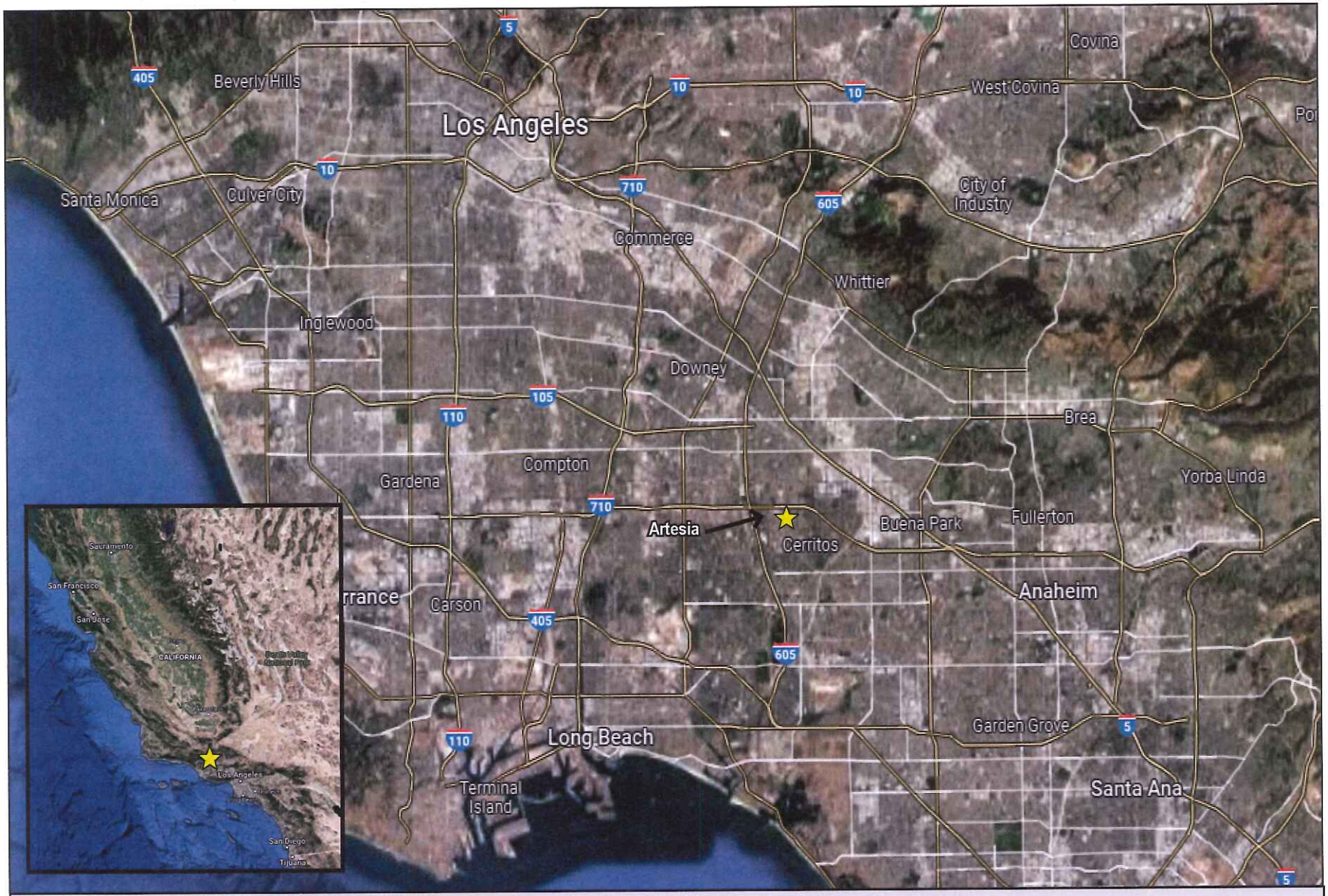
The Project would also include approximately 216 off-street surface parking spaces and 22 off-site street parking spaces, and landscaping and circulation improvements. It is preliminarily anticipated the Project will require a Specific Plan Amendment to allow the proposed mixed-use development.

If you desire to consult with the City on review of this Project regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074), please provide a written request for consultation to the address above or via email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 30 days of receipt of this letter should you wish to consult under AB 52. Please also include the name of a designated hopelead contact person and their contact information. Should the City not receive a response from your tribe within 30 days, it will be presumed that you have declined consultation. If you have any questions or need additional information, please contact me at the previously noted telephone number and email.

Sincerely,

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*



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Artesia Boulevard Corridor Specific Plan Amendment Project

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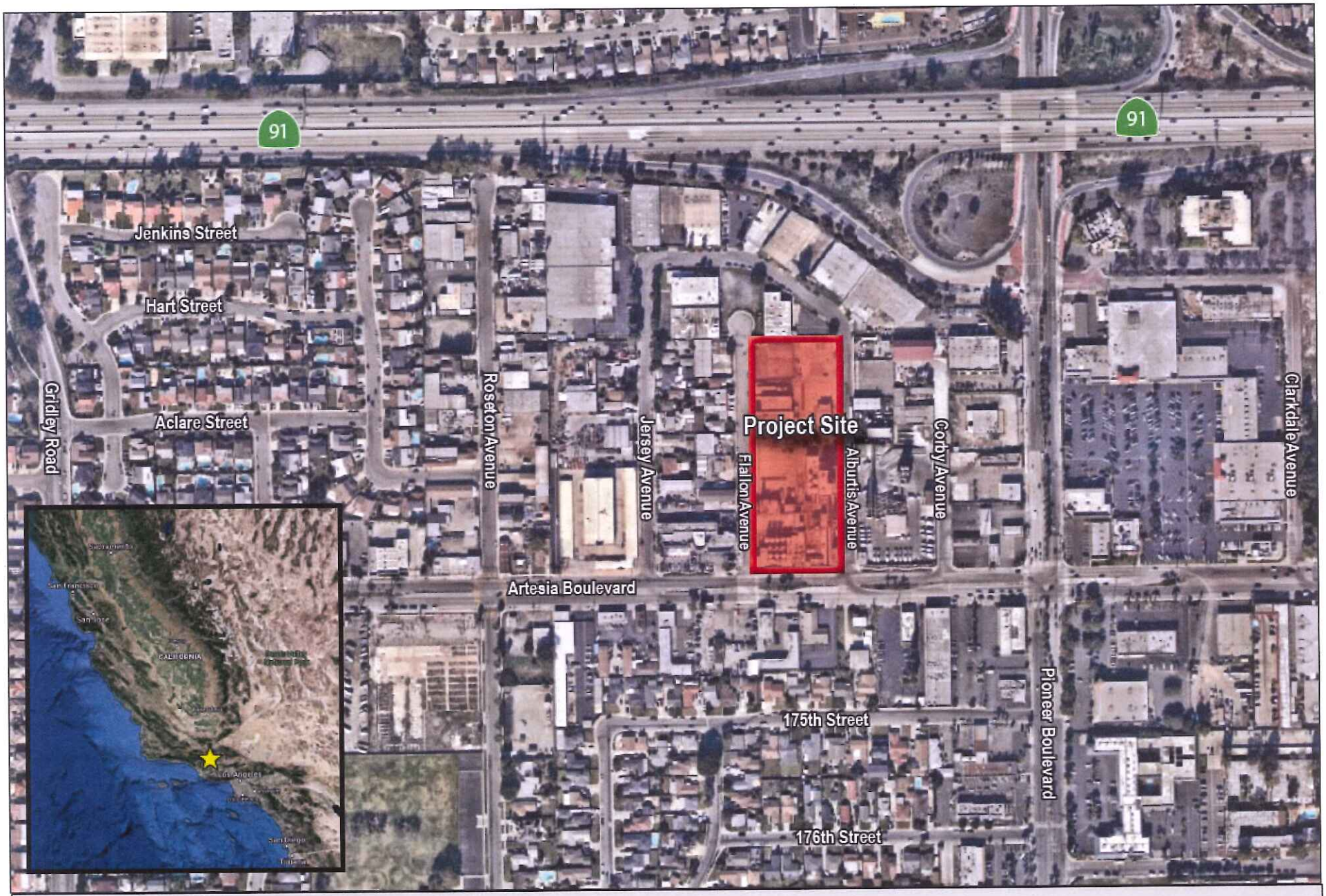

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 San Gabriel, CA, 91778

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Morales,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

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Sincerely, ML FOR

Okina Dor
Community Development Manager

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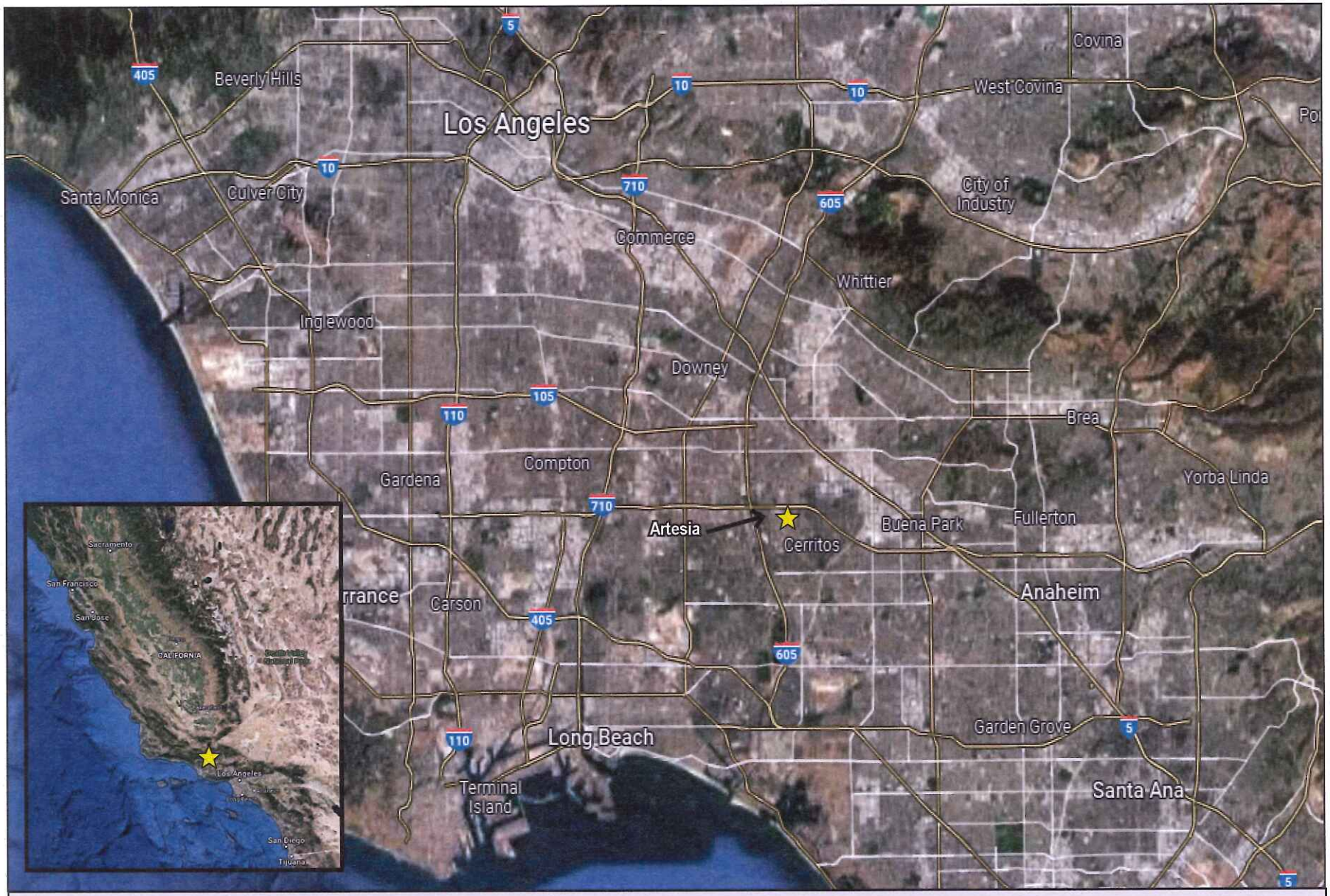

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Artesia Boulevard Corridor Specific Plan Amendment Project

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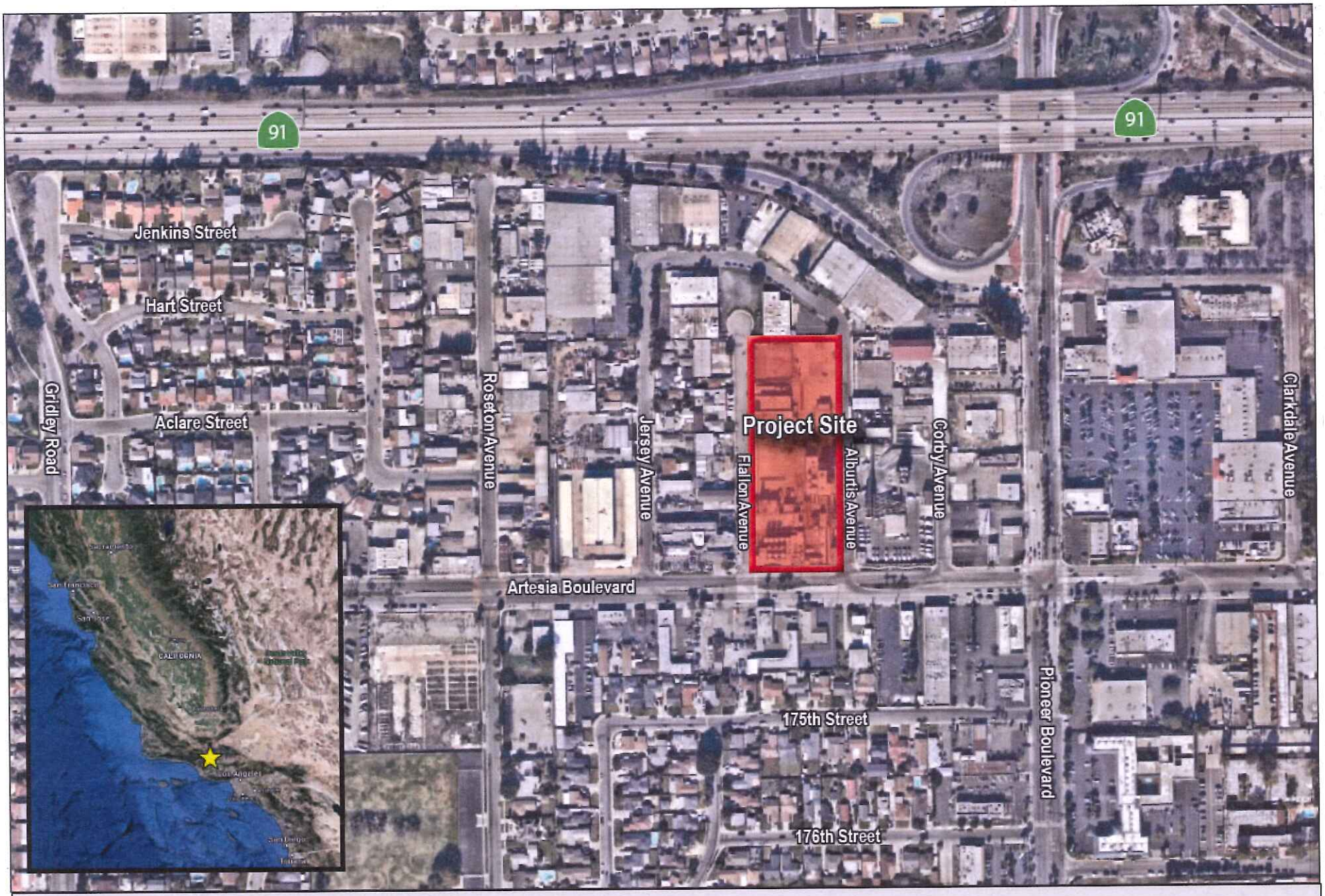

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 Anza, CA, 92539

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Redner,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

The City has initiated preparation of an EIR for the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). In compliance with AB 52 requirements, and as Lead Agency, the City hereby extends an invitation to consult on the proposed Project. This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places.

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If you desire to consult with the City on review of this Project regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074), please provide a written request for consultation to the address above or via email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 30 days of receipt of this letter should you wish to consult under AB 52. Please also include the name of a designated lead contact person and their contact information. Should the City not receive a response from your tribe within 30 days, it will be presumed that you have declined consultation. If you have any questions or need additional information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, ML FOR

Okina Dor
Community Development Manager

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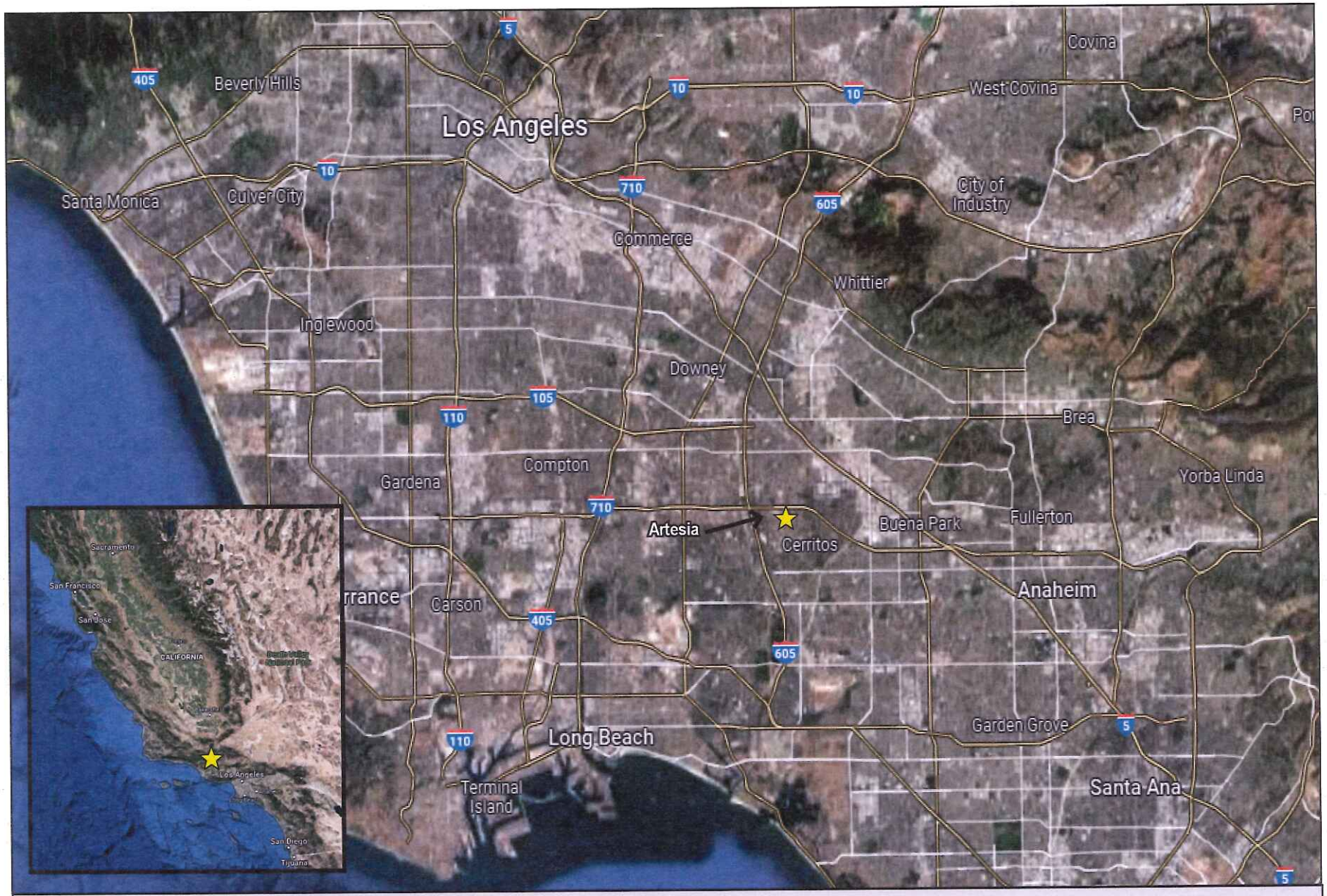

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Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

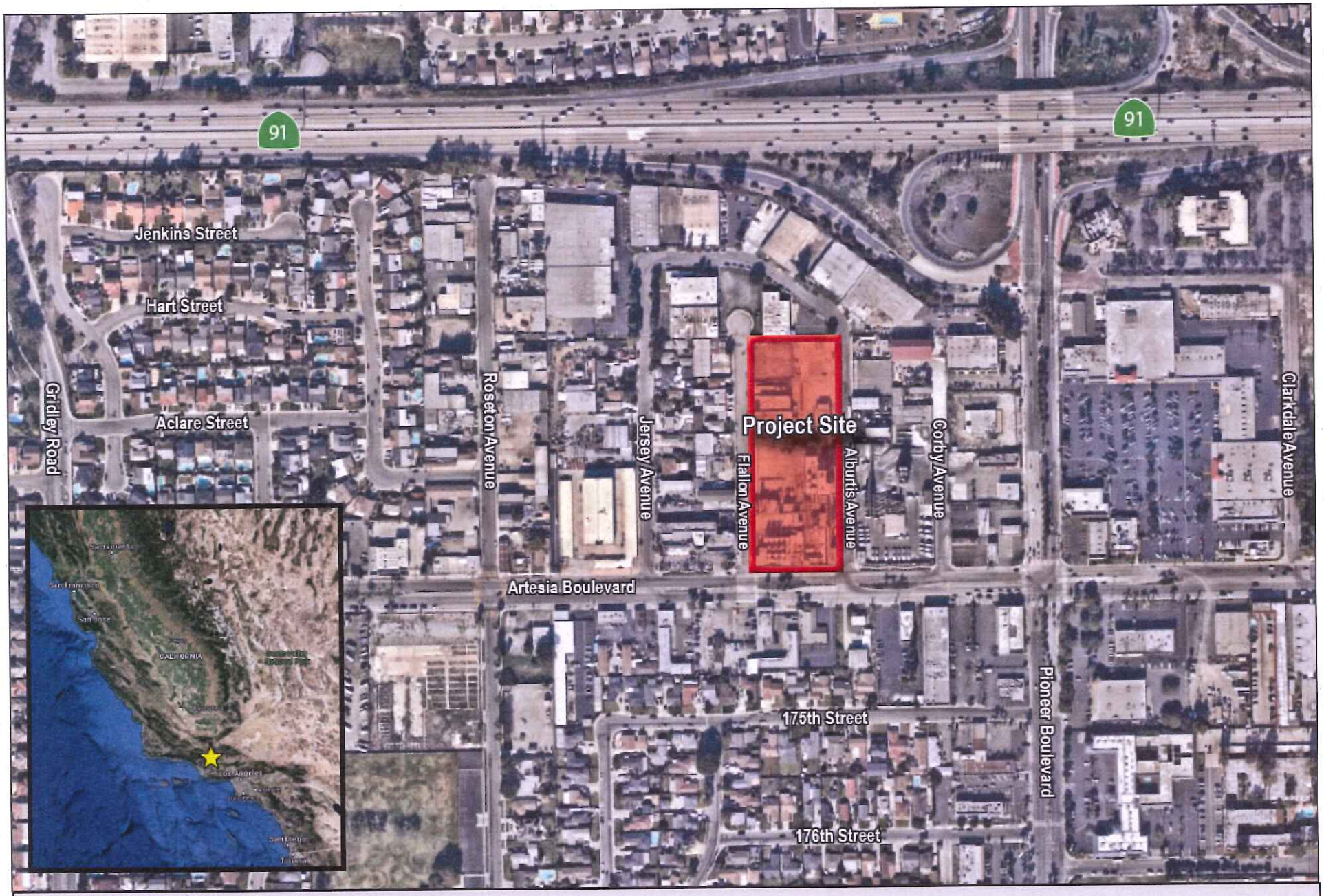

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 Covina, CA, 91723

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Salas,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

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Okina Dor
Community Development Manager

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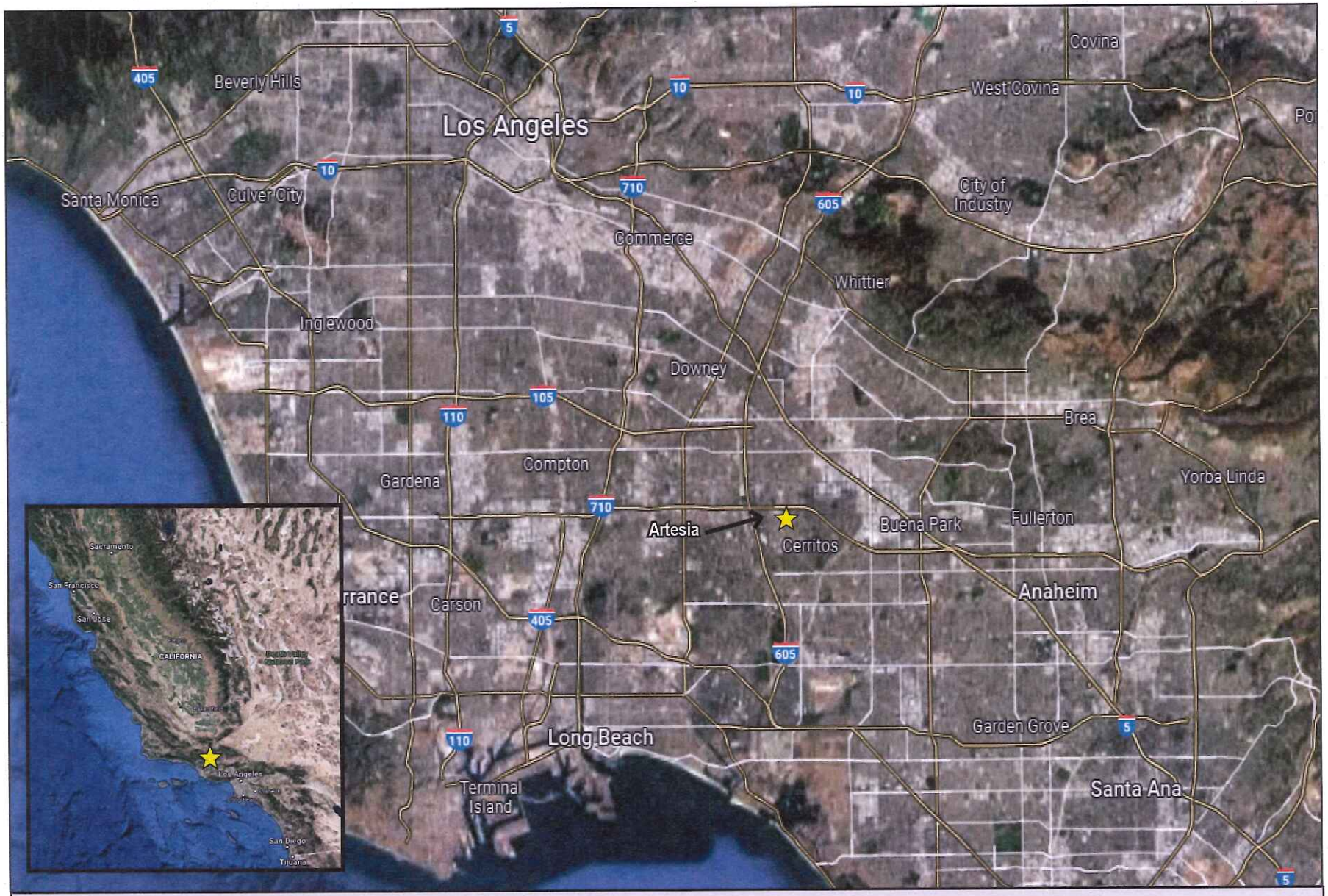

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

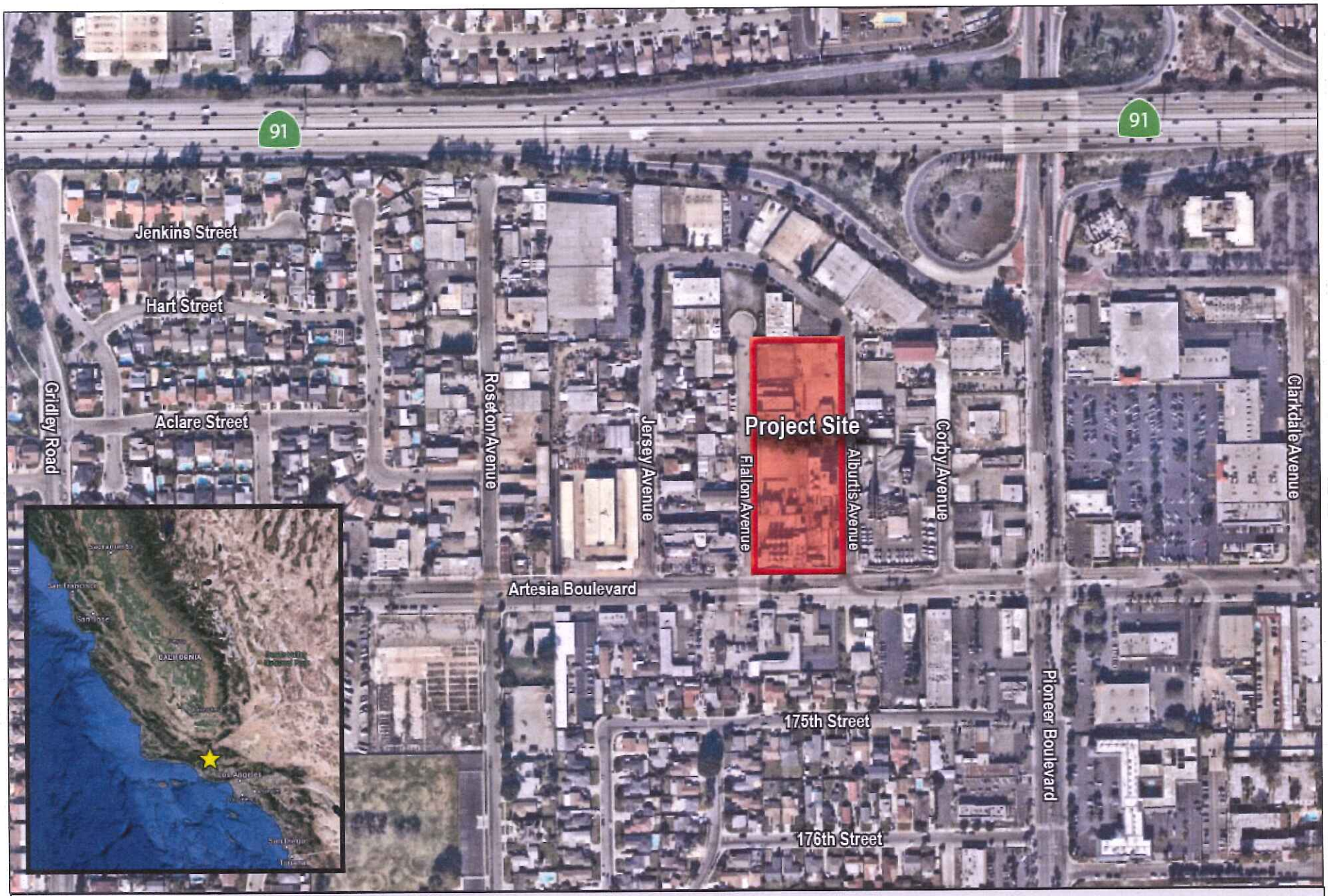

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 San Jacinto, CA, 92581

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to Assembly Bill 52***

Dear Mr. Vivanco,

Pursuant to Assembly Bill [AB] 52 (California Public Resources Code Section 21080.3.1(b)), your tribe has submitted a request to the City of Artesia (City) for notification of preparation of an environmental impact report (EIR), negative declaration (ND), or mitigated negative declaration (MND) for projects that are within the geographic area traditionally and culturally affiliated with your tribe.

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Okina Dor
Community Development Manager

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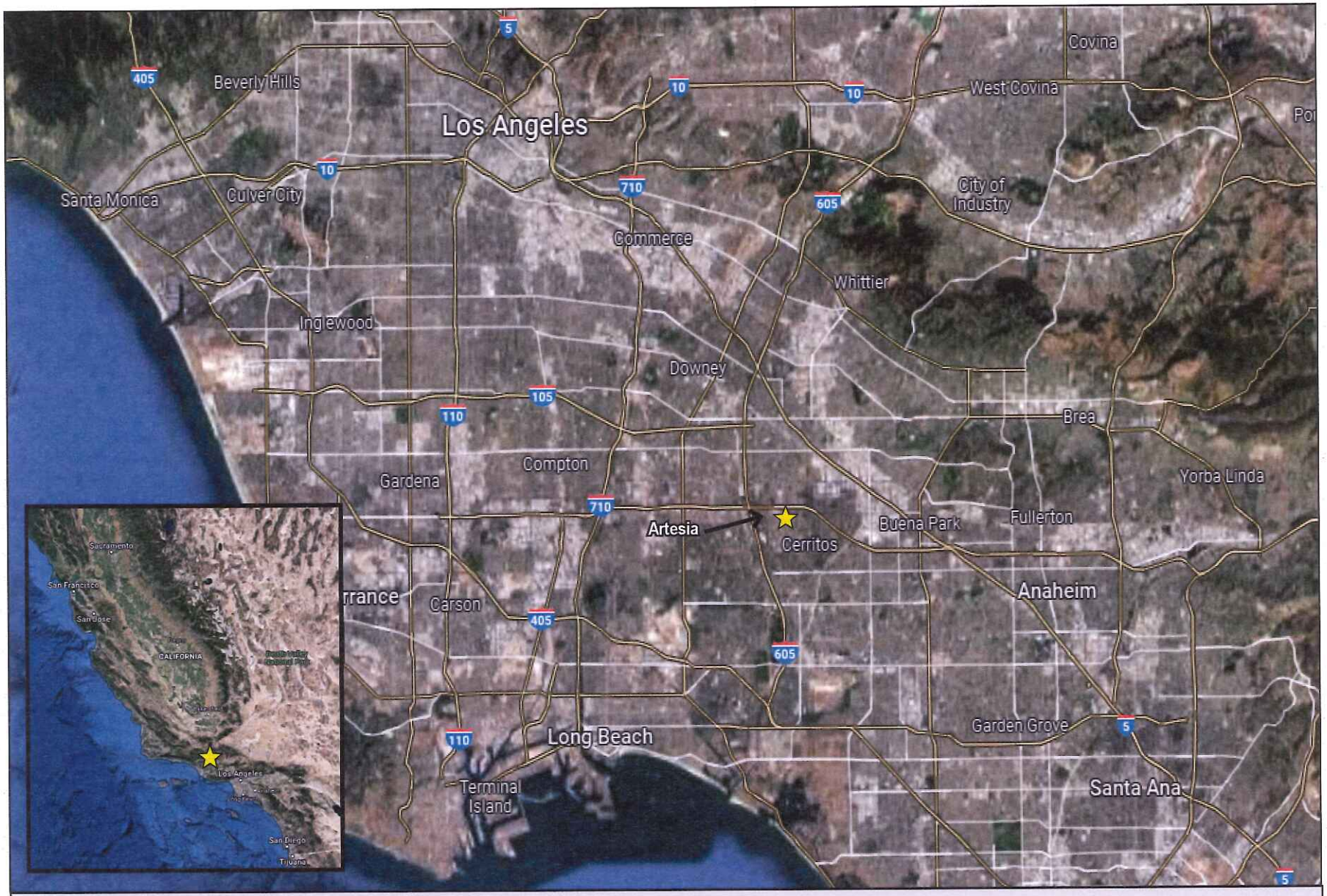

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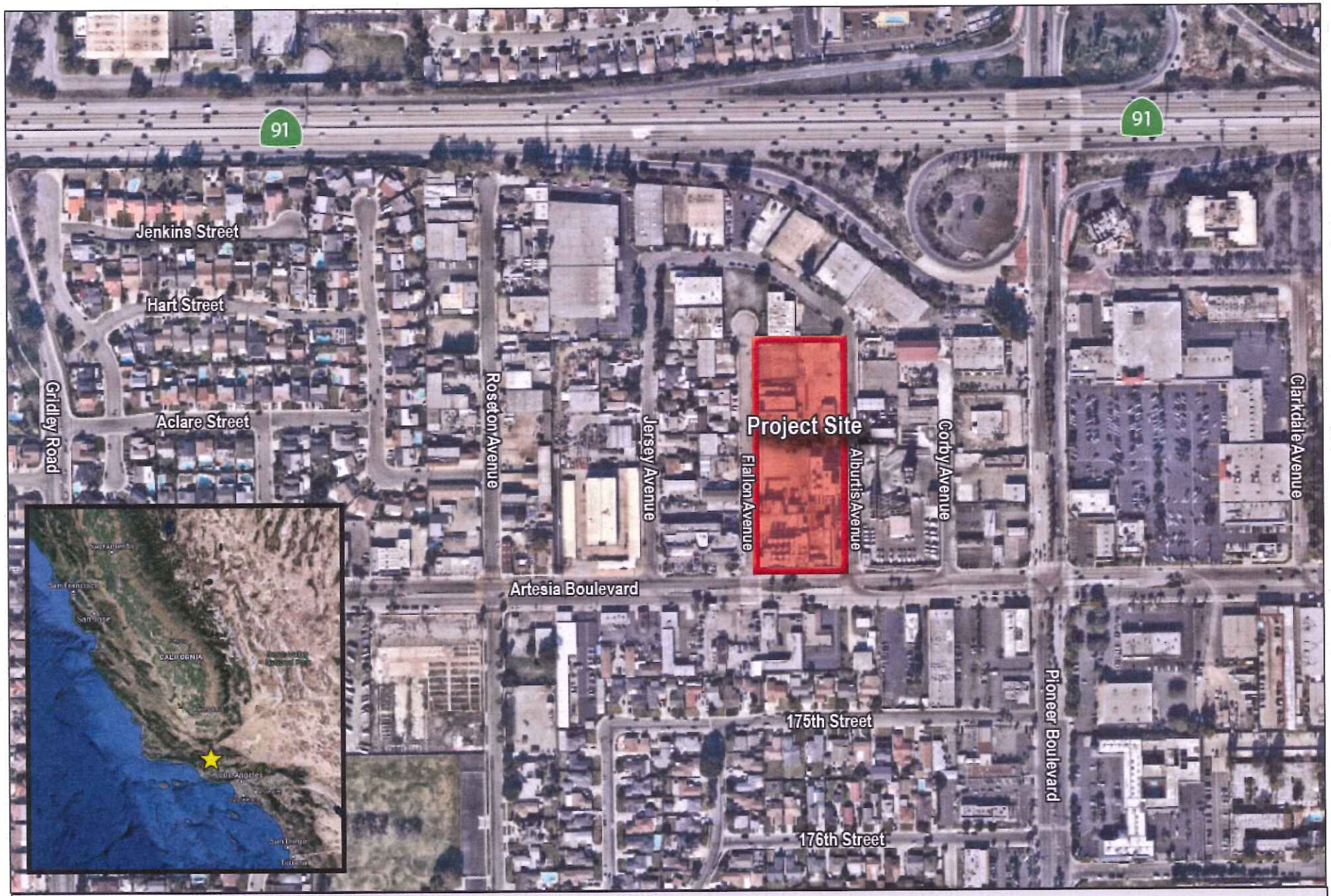

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrielino-Tongva Tribe
Charles Alvarez
23454 Vanowen Street
West Hills, CA, 91307

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Alvarez:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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If you desire to consult with the City on review of this Project, please provide a written request for consultation to the address above or via email to email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 90 days of receipt of this letter should you wish to consult under SB 18. Should the City not receive a response from your tribe within 90 days, it will be presumed that you have declined consultation. If you have any questions or need further information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, ML FOR

Okina Dor
Community Development Manager

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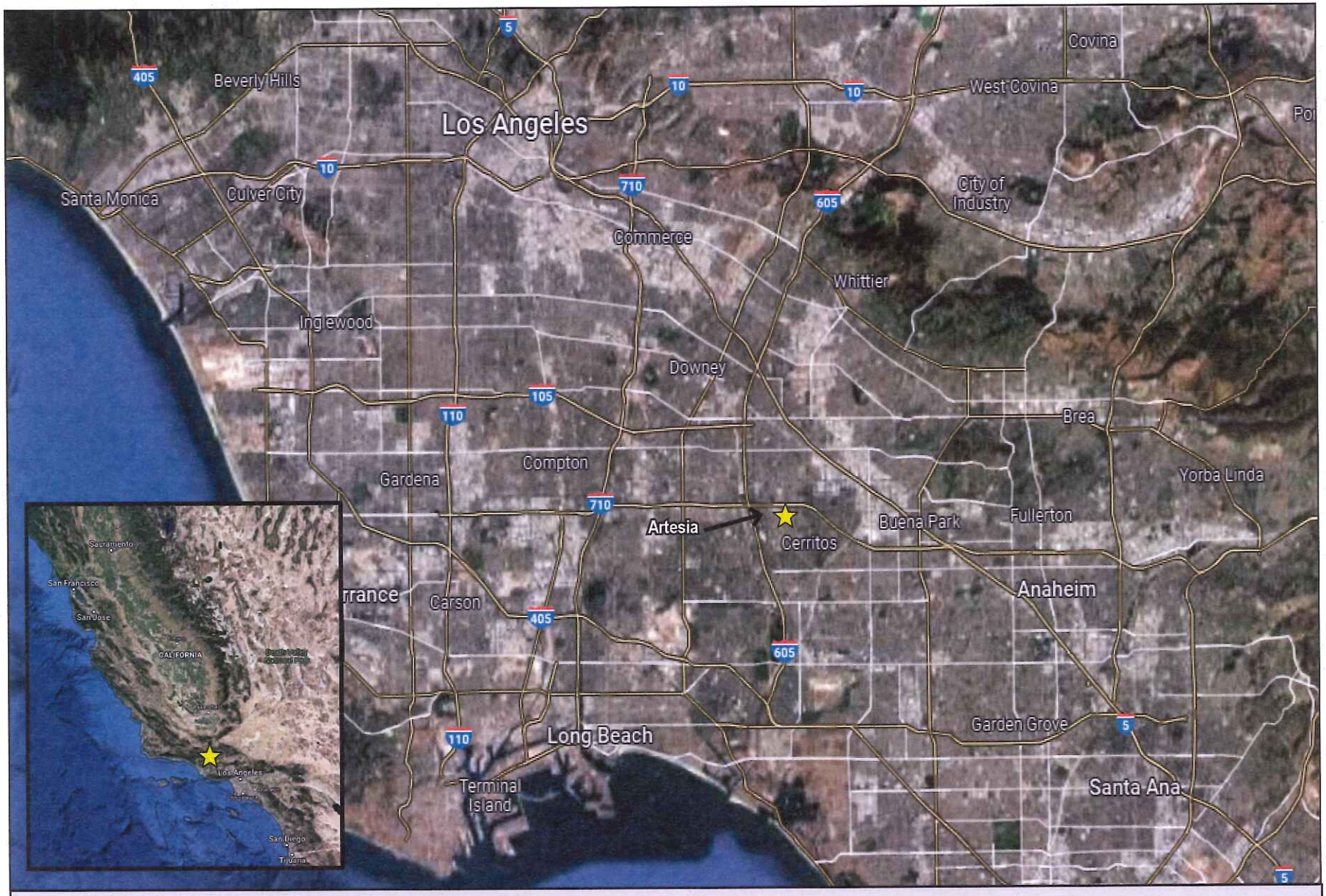

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Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

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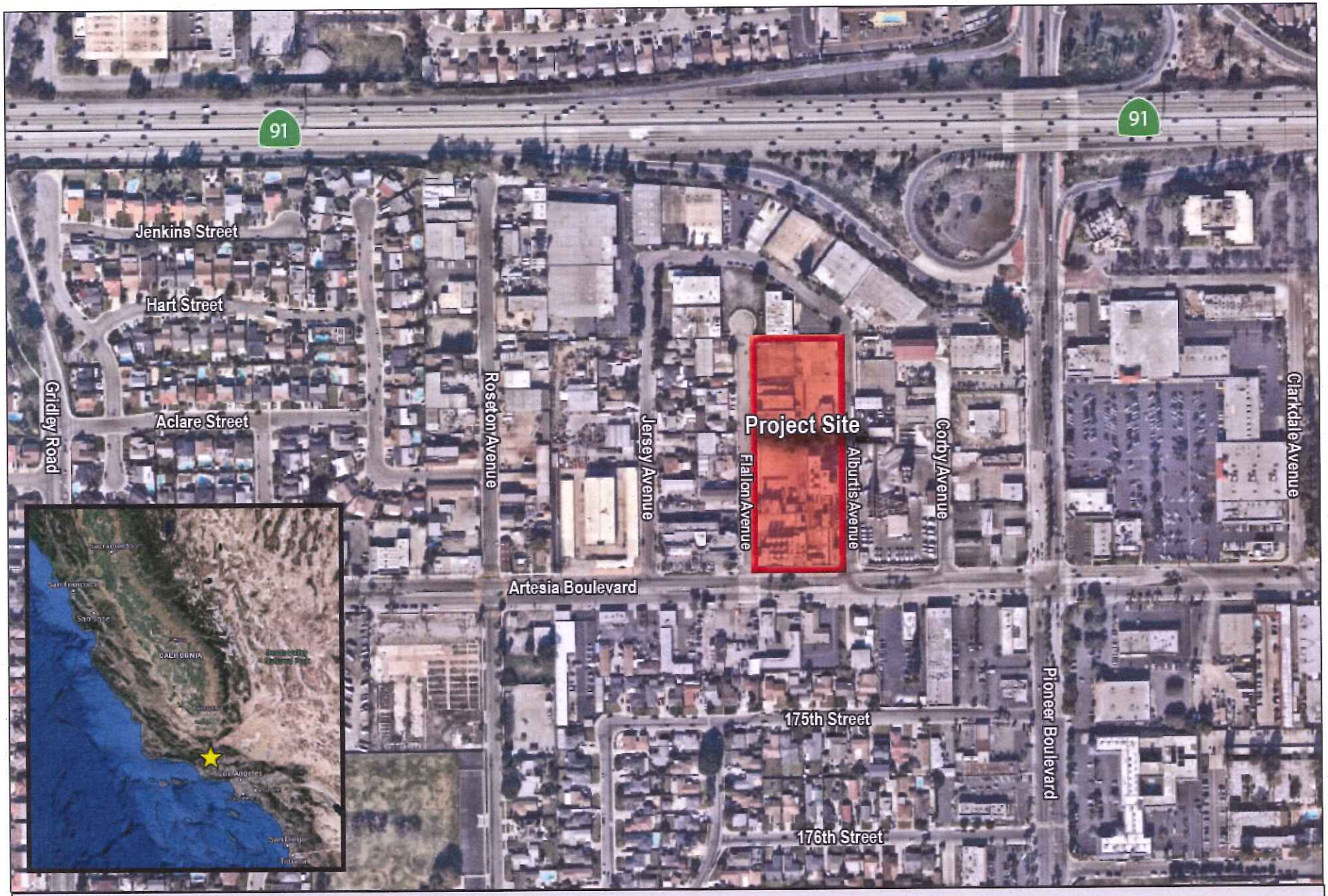

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos
San Juan Capistrano, CA, 92675

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Belardes:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Sincerely, MY FOR

Okina Dor
Community Development Manager

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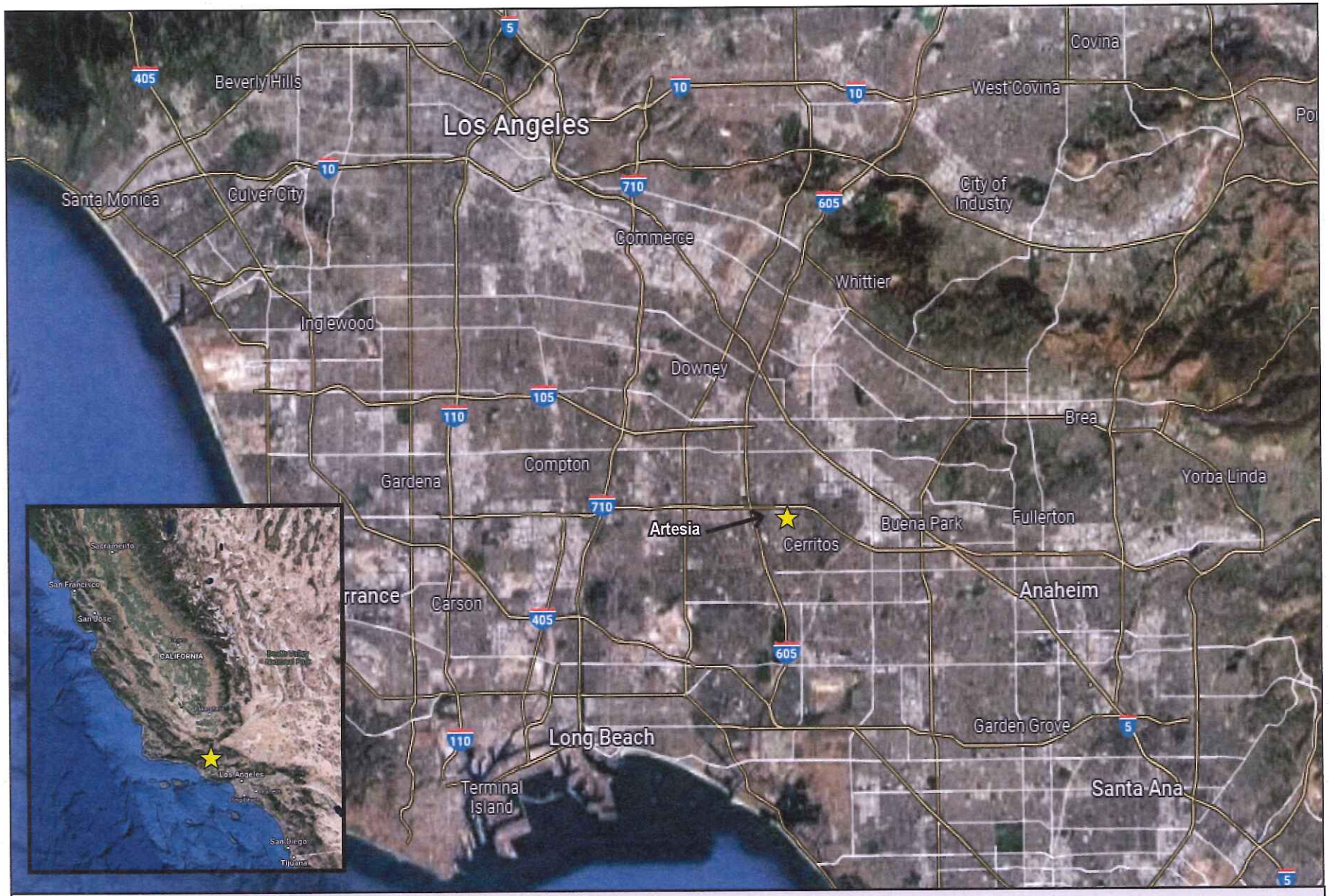

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

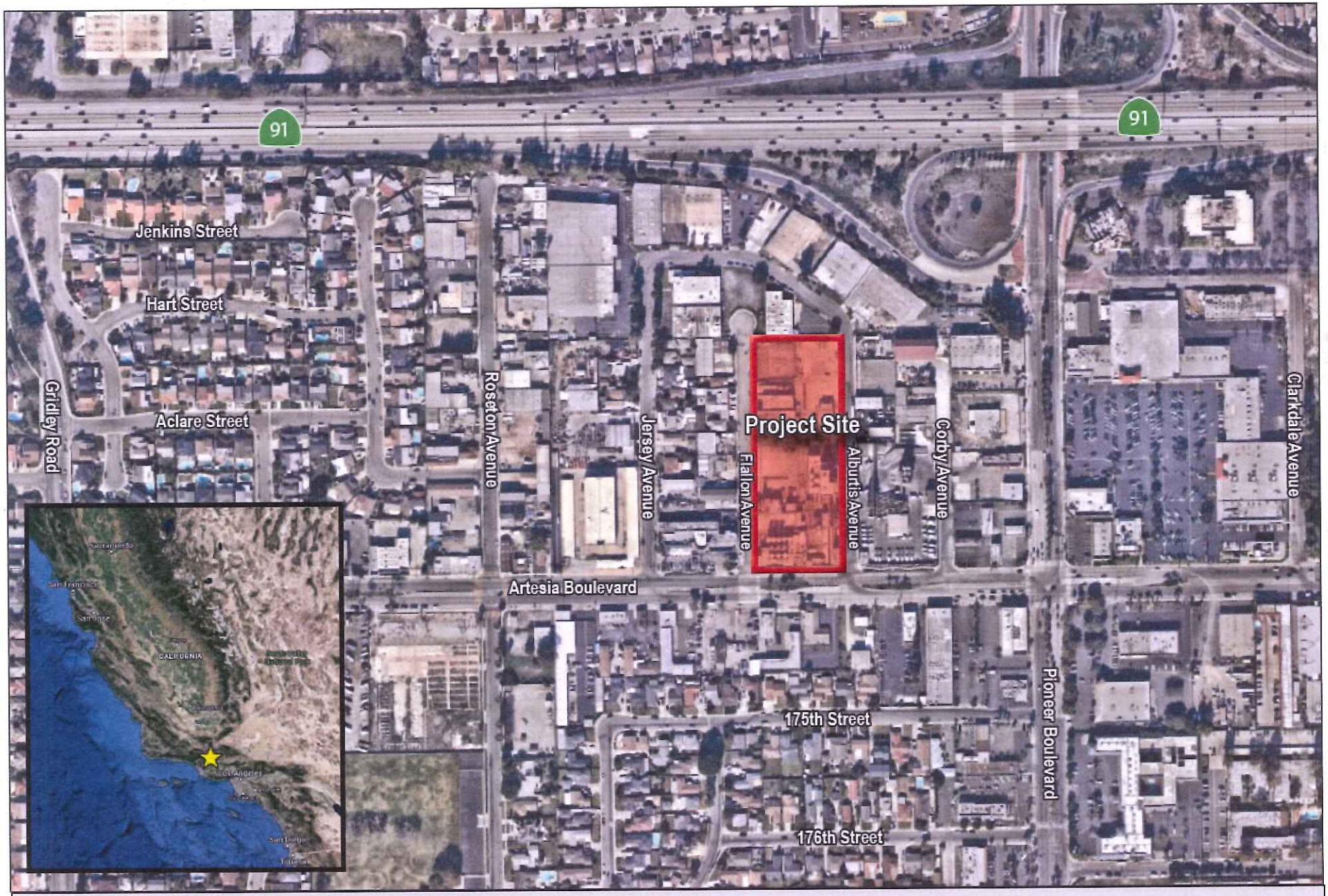

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 Bellflower, CA, 90707

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Dorame:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Sincerely,

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

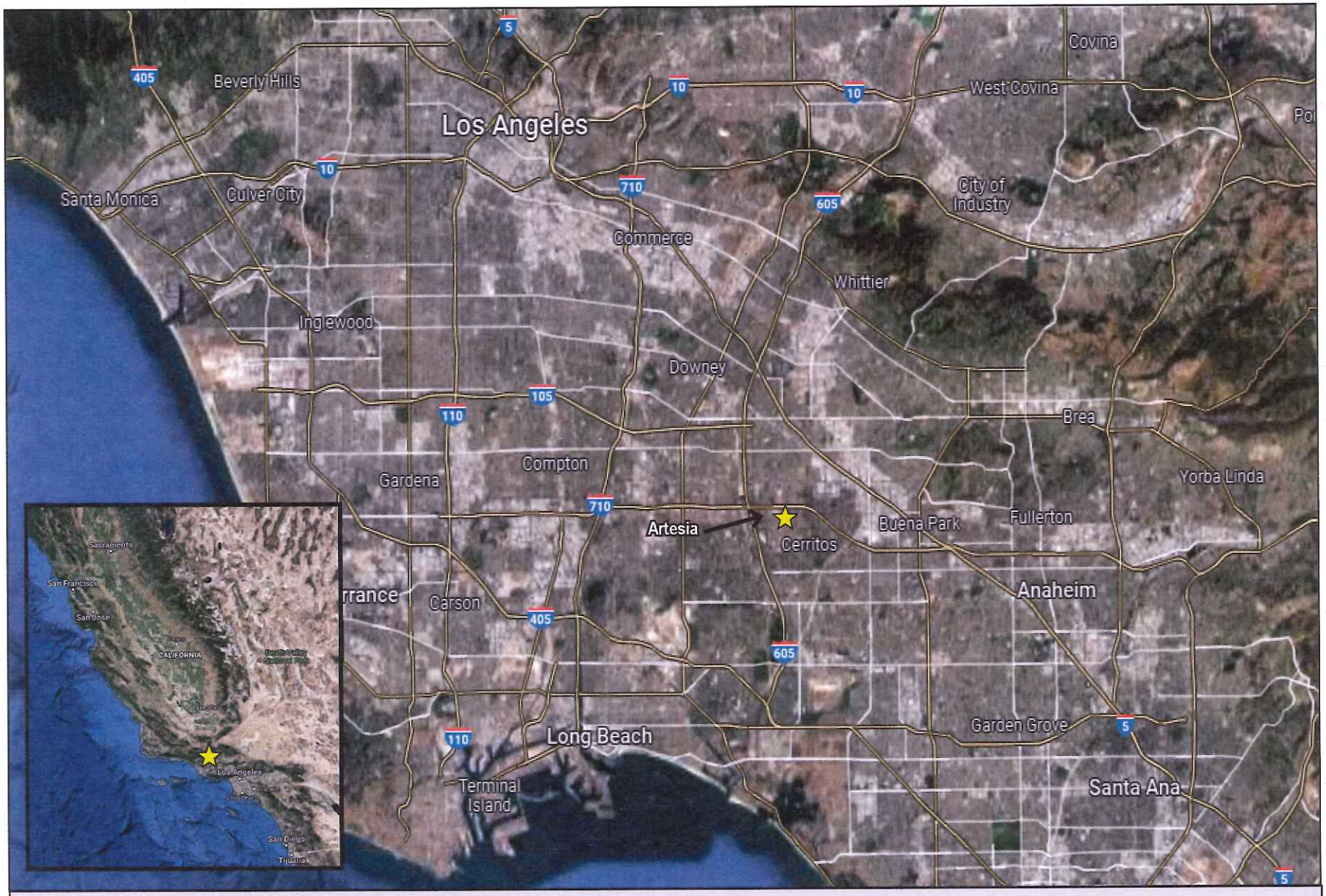

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

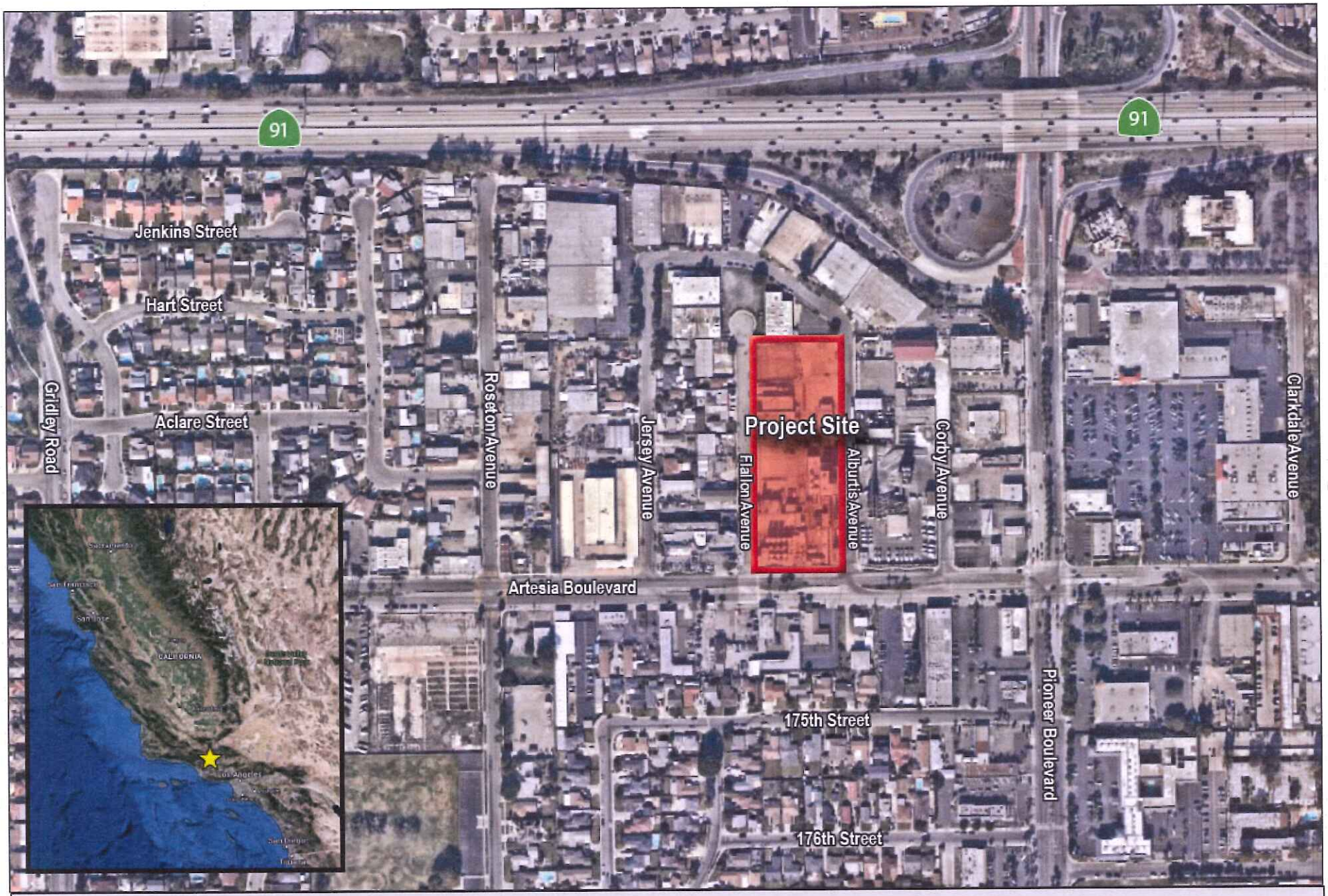

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231
Los Angeles, CA, 90012

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Goad:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Sincerely, ML FOR

Okina Dor
Community Development Manager

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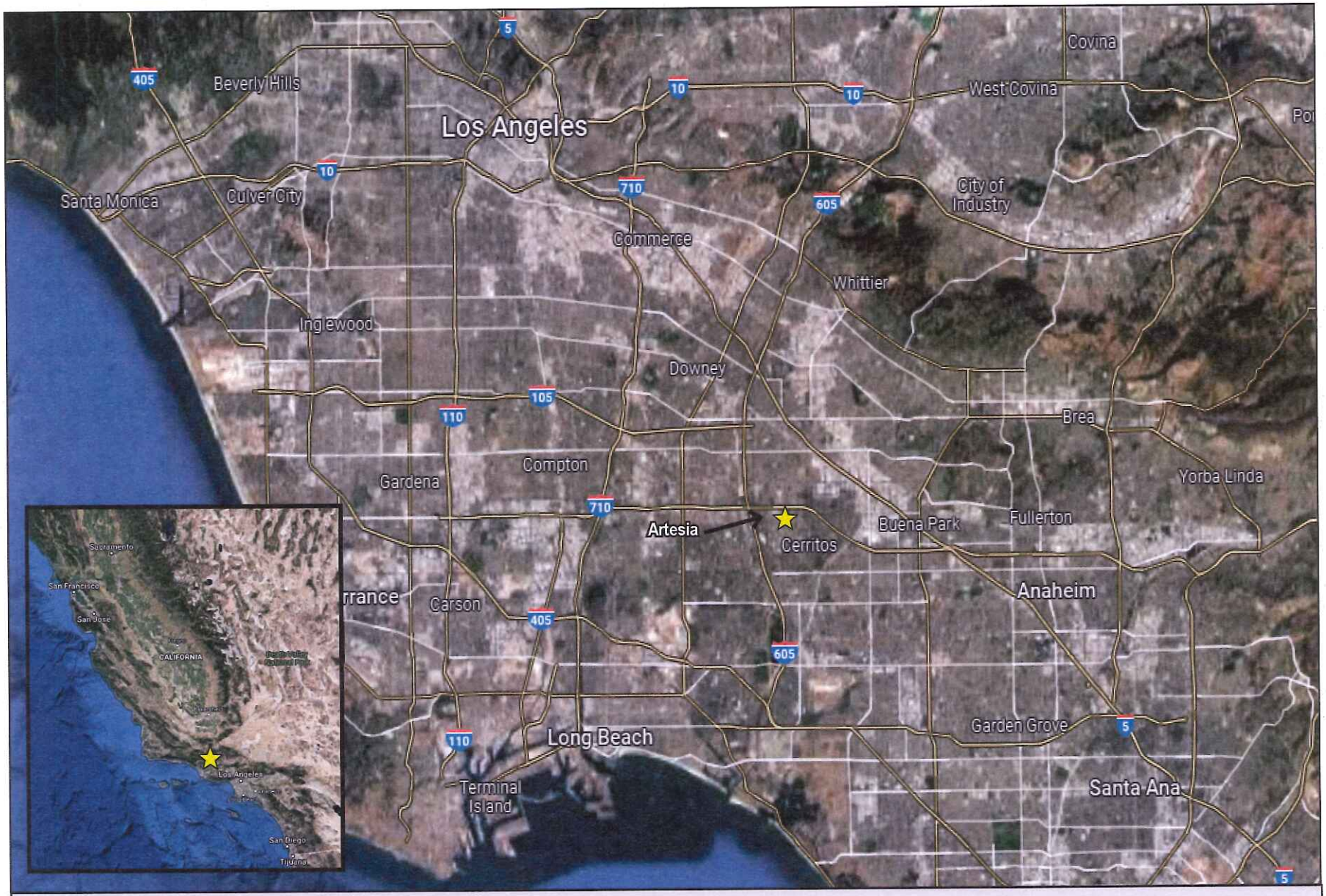

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

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NOT TO SCALE

Kimley»Horn

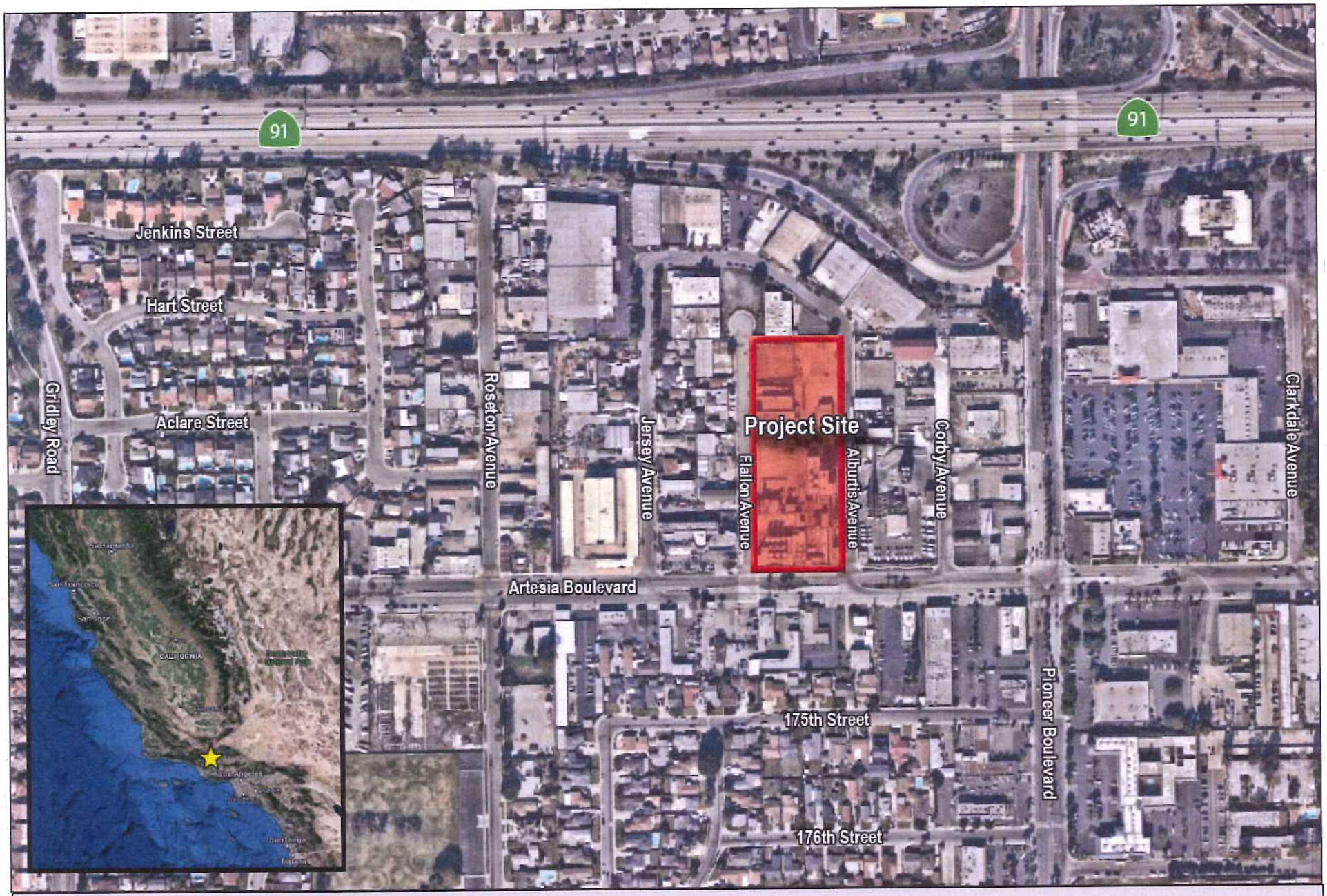

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

September 14, 2022

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
PO Box 941078
Simi Valley, CA 93094

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Christina:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Sincerely,

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

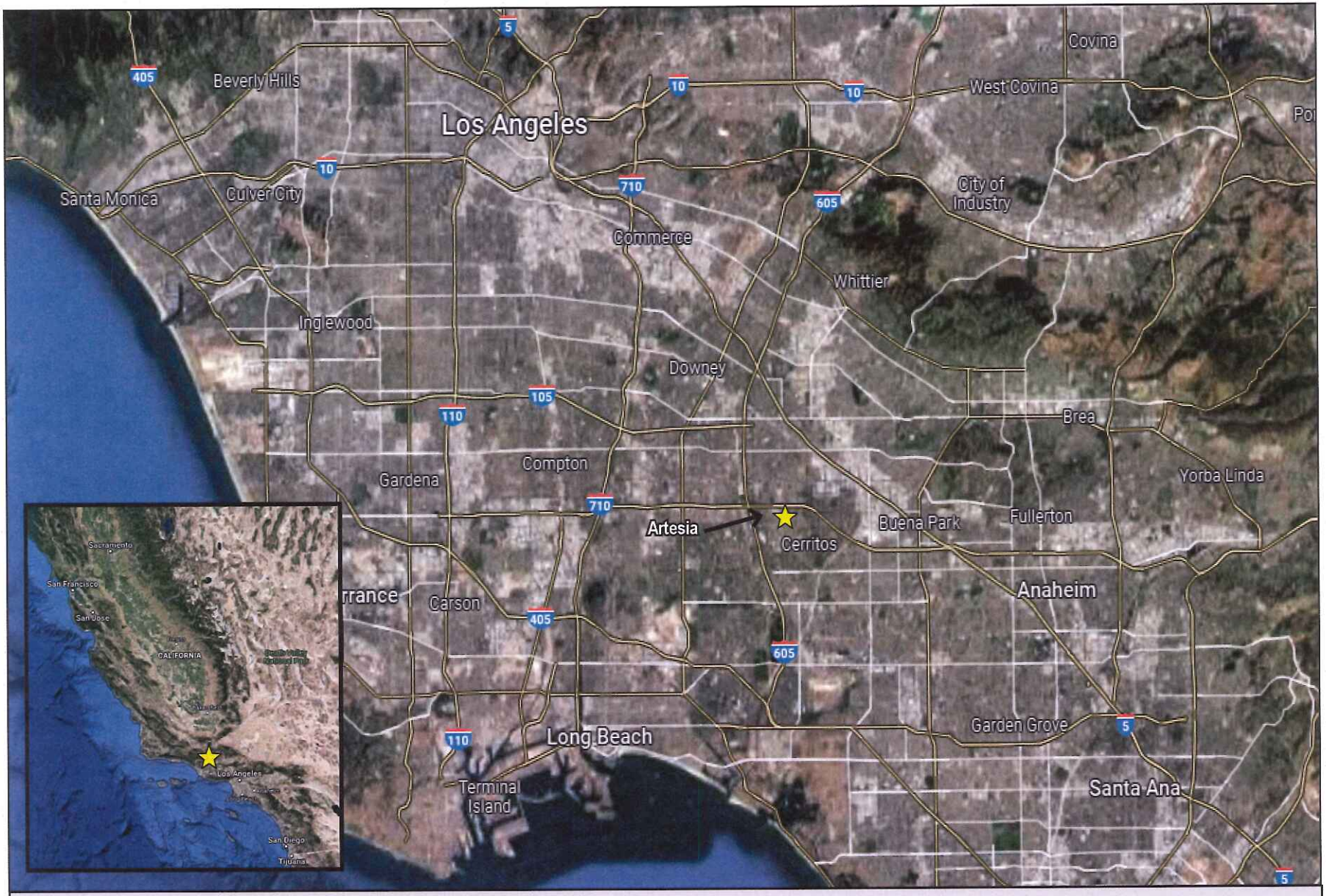

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

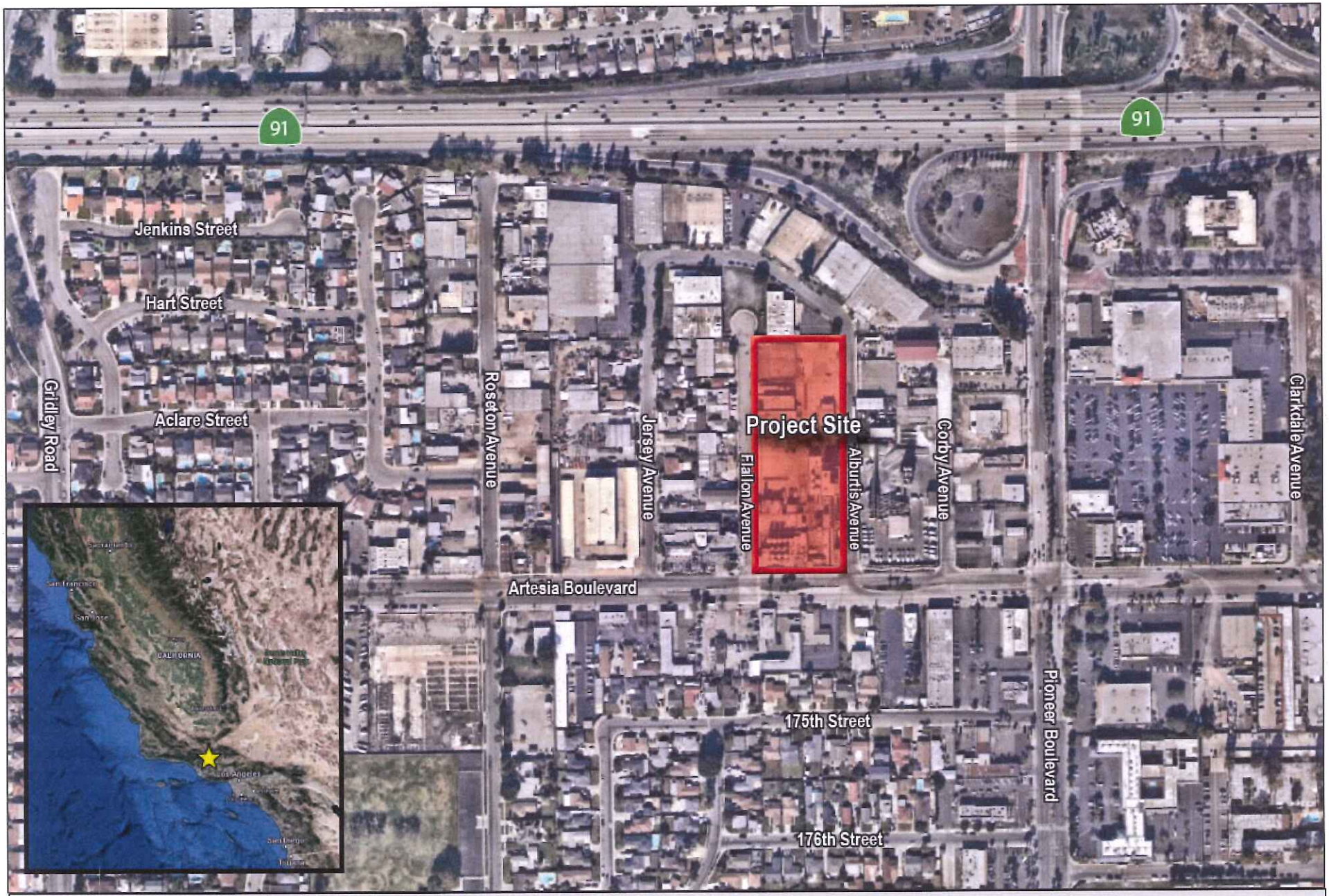

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

September 14, 2022

Juaneno Band of Mission Indians Acjachemen Nation – Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos
San Juan Capistrano, CA 92675

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Matias:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Sincerely,

Okina Dor
Community Development Manager

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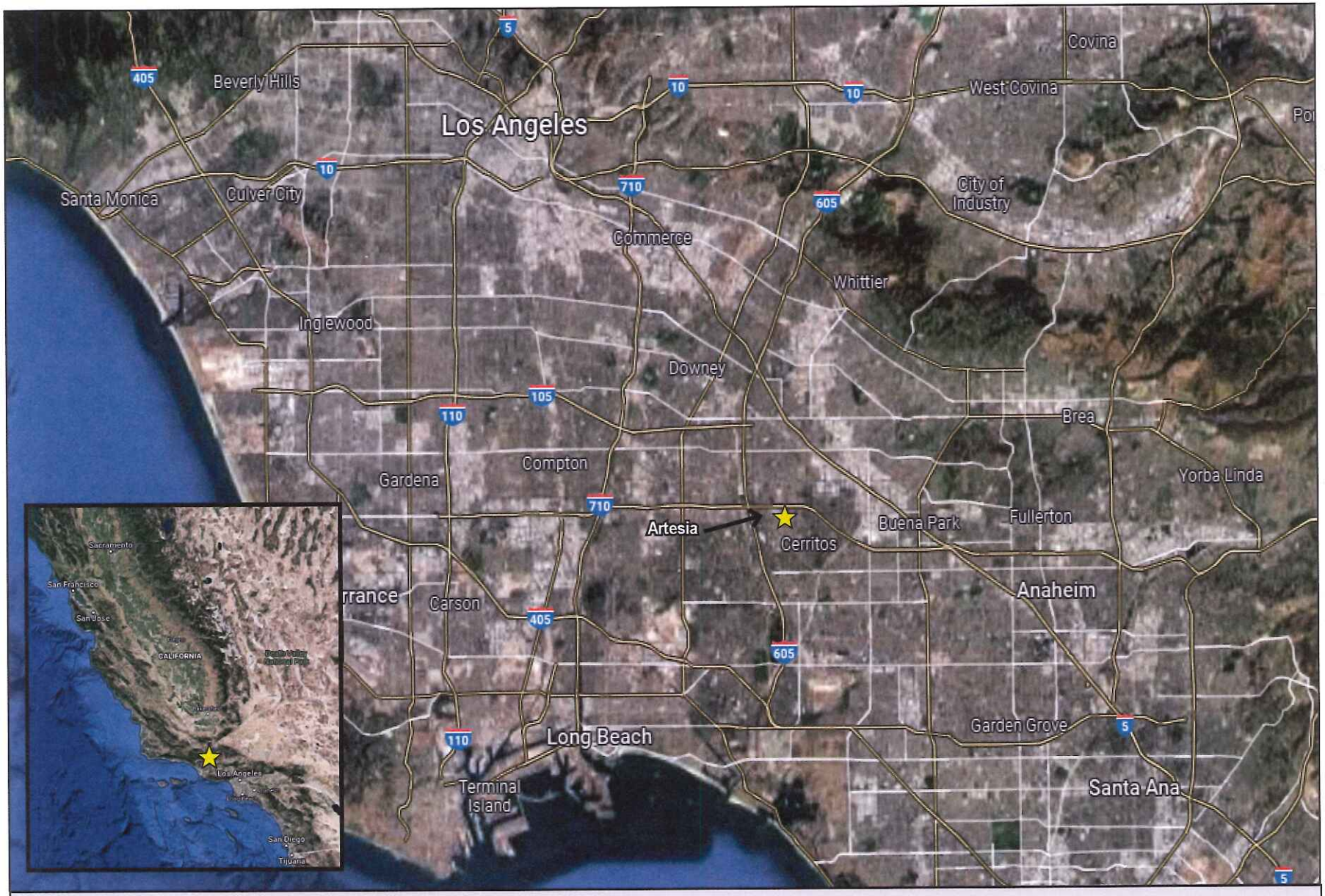

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

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NOT TO SCALE

Kimley»Horn

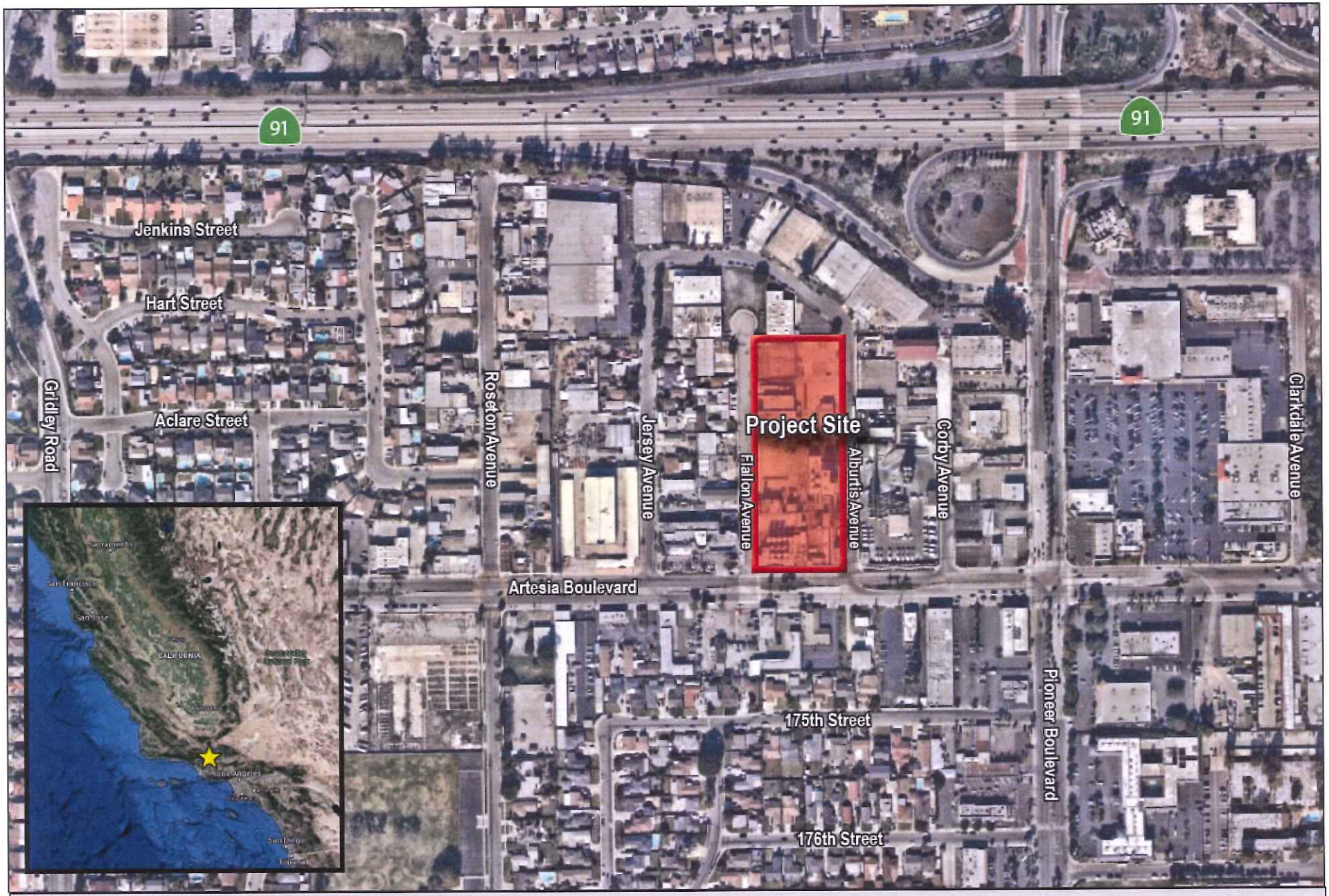

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

September 14, 2022

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
PO Box 487
San Jacinto, CA 92581

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Joseph:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Community Development Manager

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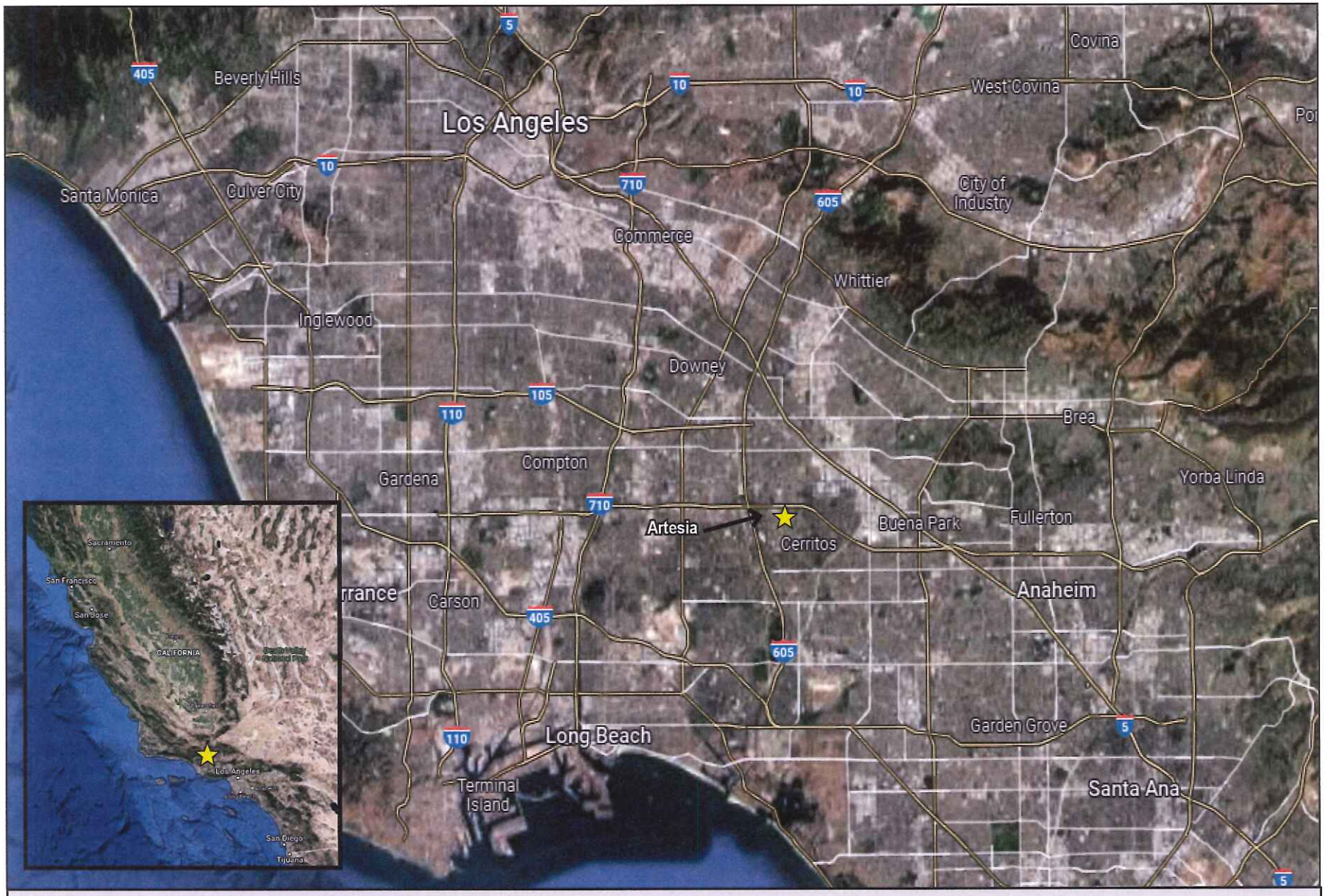

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Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

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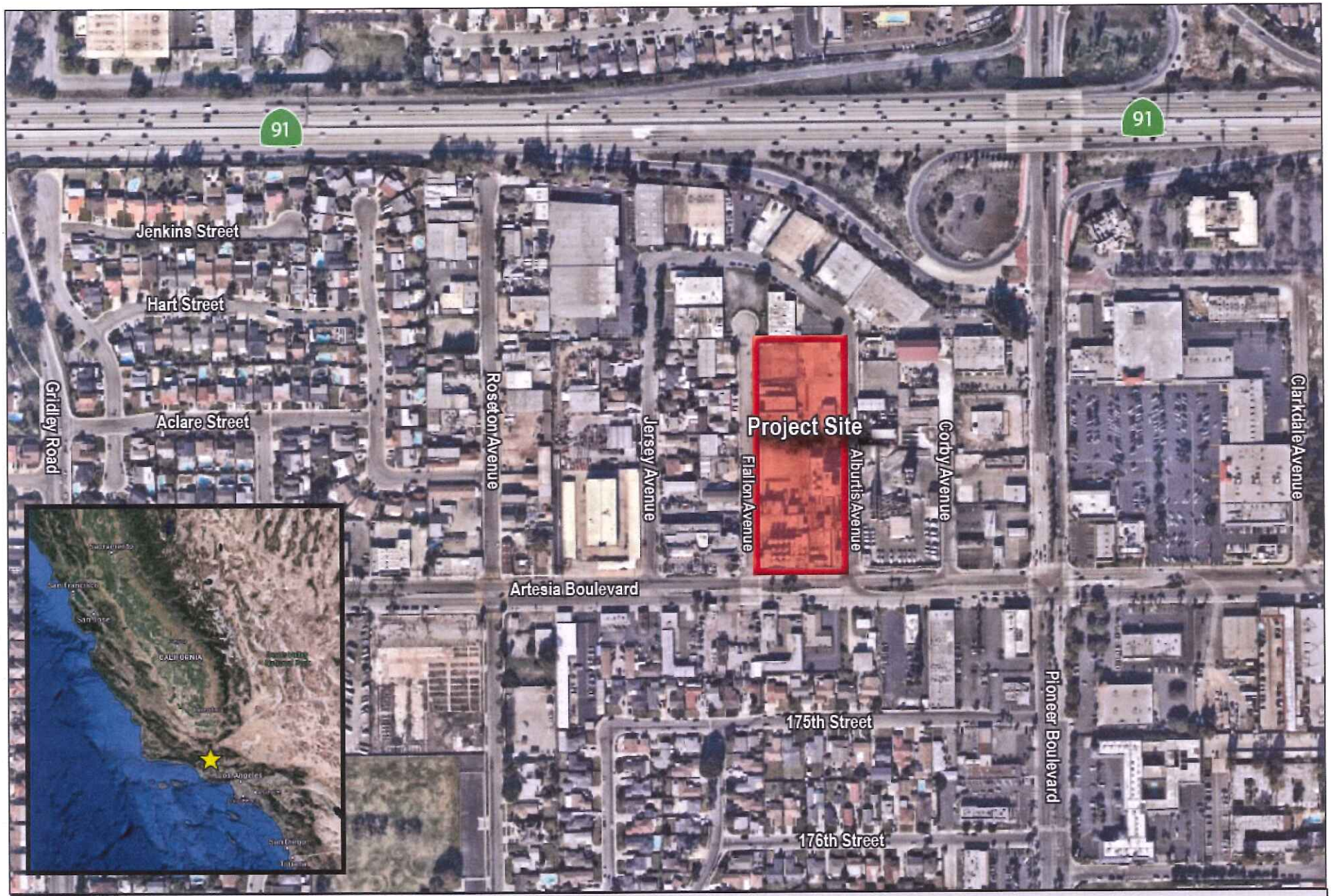

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 San Gabriel, CA, 91778

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Morales:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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Sincerely, ML FOR

Okina Dor
Community Development Manager

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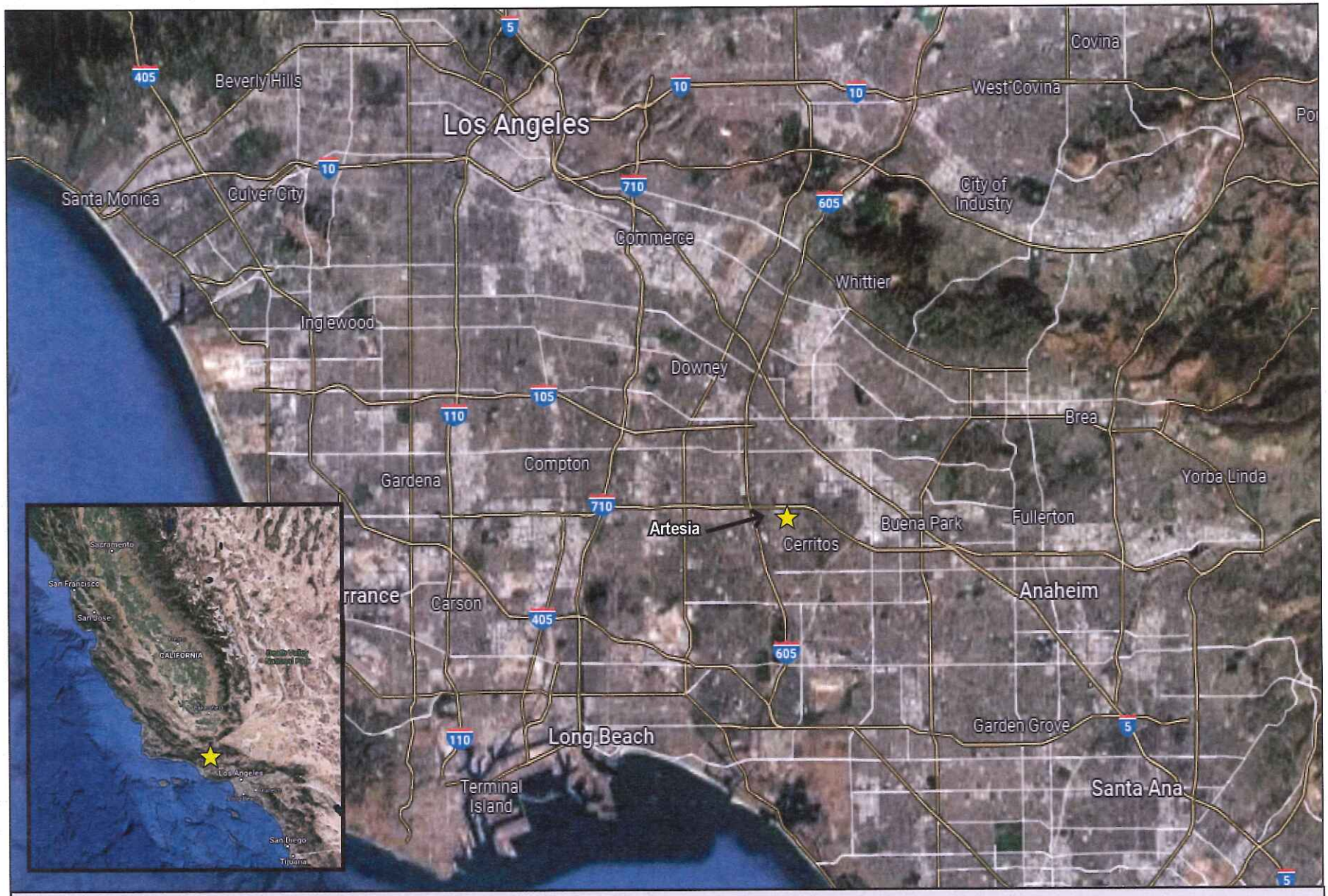

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Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

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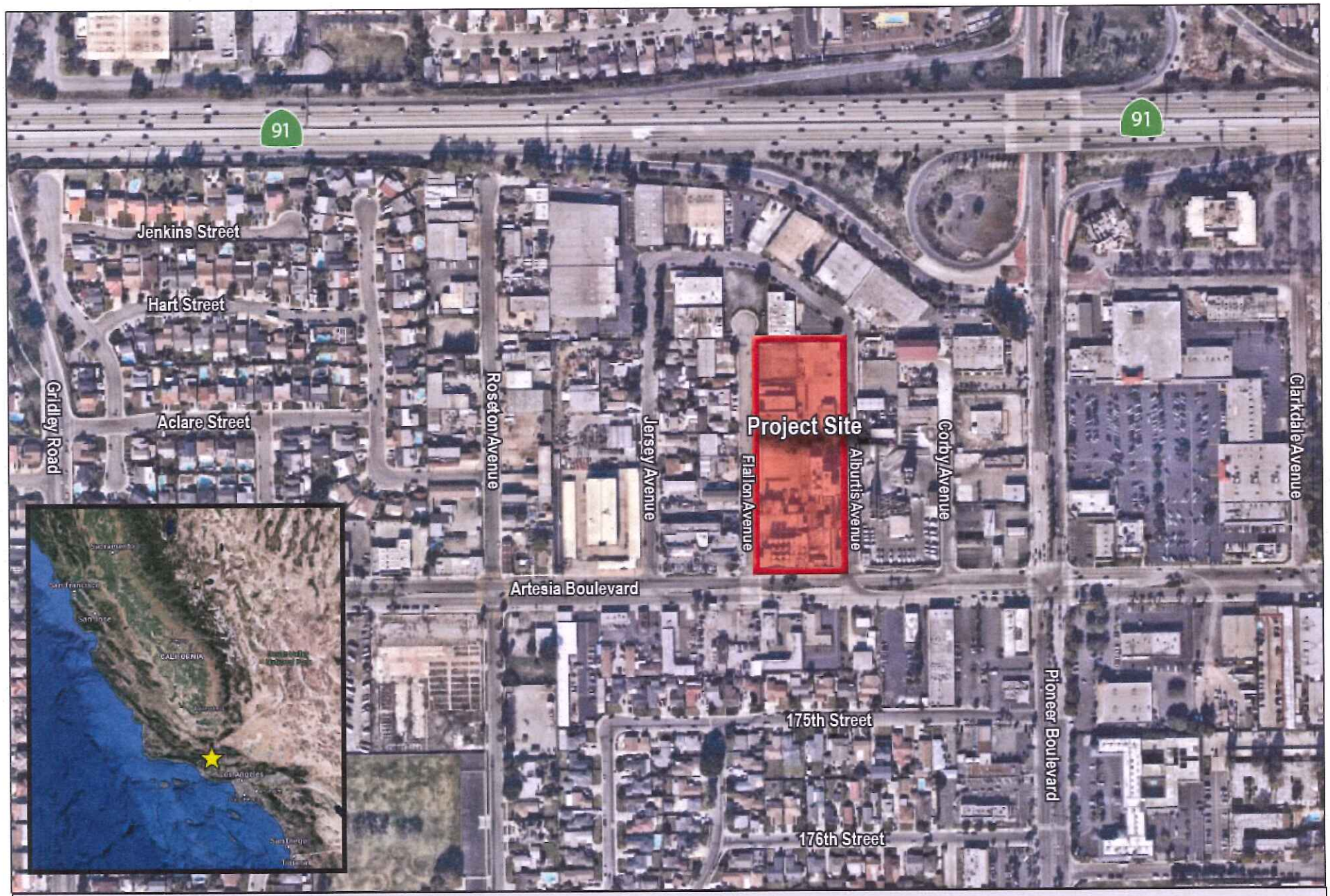

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 Anza, CA, 92539

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Redner:

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Okina Dor
Community Development Manager

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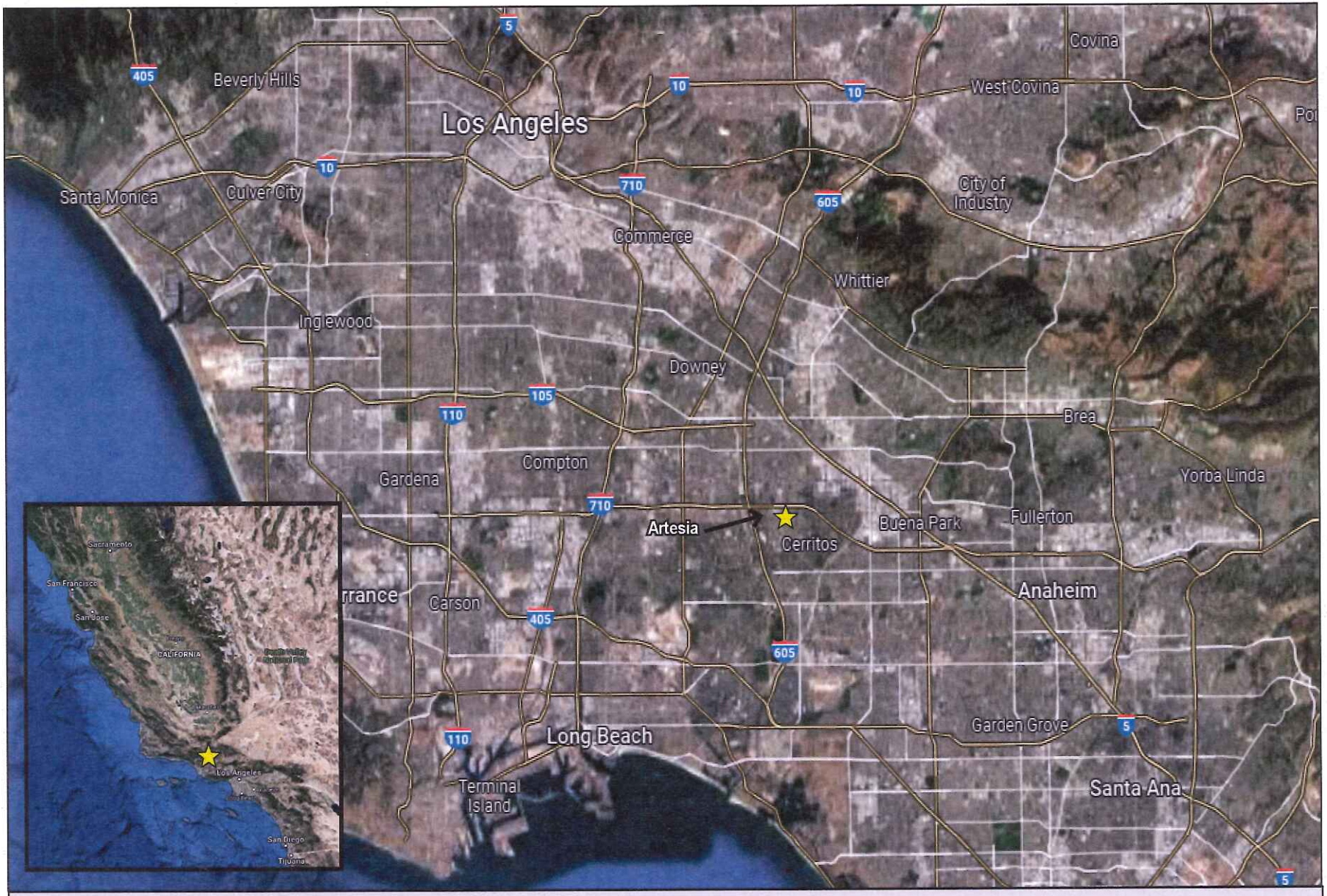

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

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Kimley»Horn

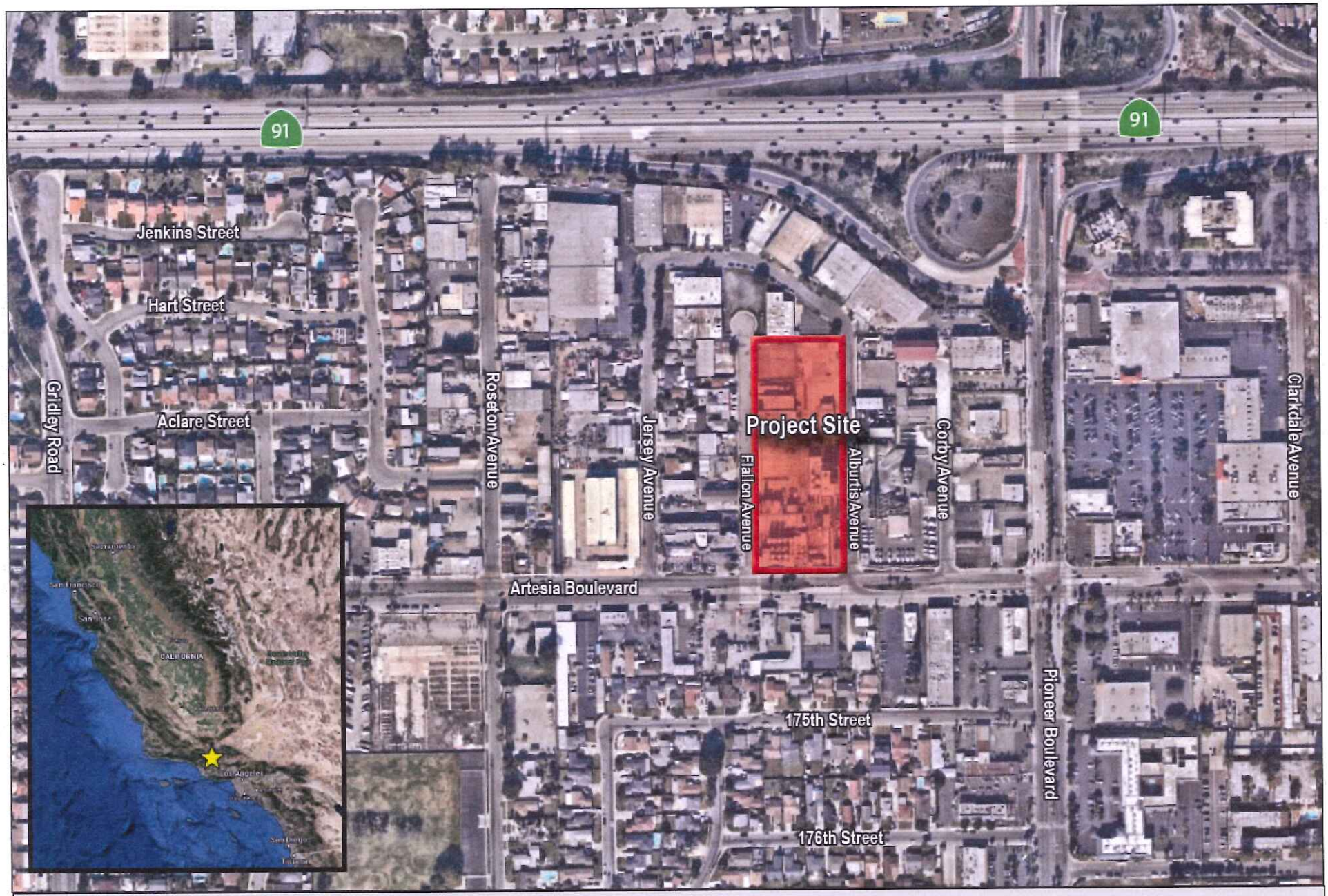

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 Covina, CA, 91723

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Salas:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

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The Project would also include approximately 216 off-street surface parking spaces and 22 off-site street parking spaces, and landscaping and circulation improvements. It is preliminarily anticipated the Project will require a Specific Plan Amendment to allow the proposed mixed-use development.

If you desire to consult with the City on review of this Project, please provide a written request for consultation to the address above or via email to email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 90 days of receipt of this letter should you wish to consult under SB 18. Should the City not receive a response from your tribe within 90 days, it will be presumed that you have declined consultation. If you have any questions or need further information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, ML FOR

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

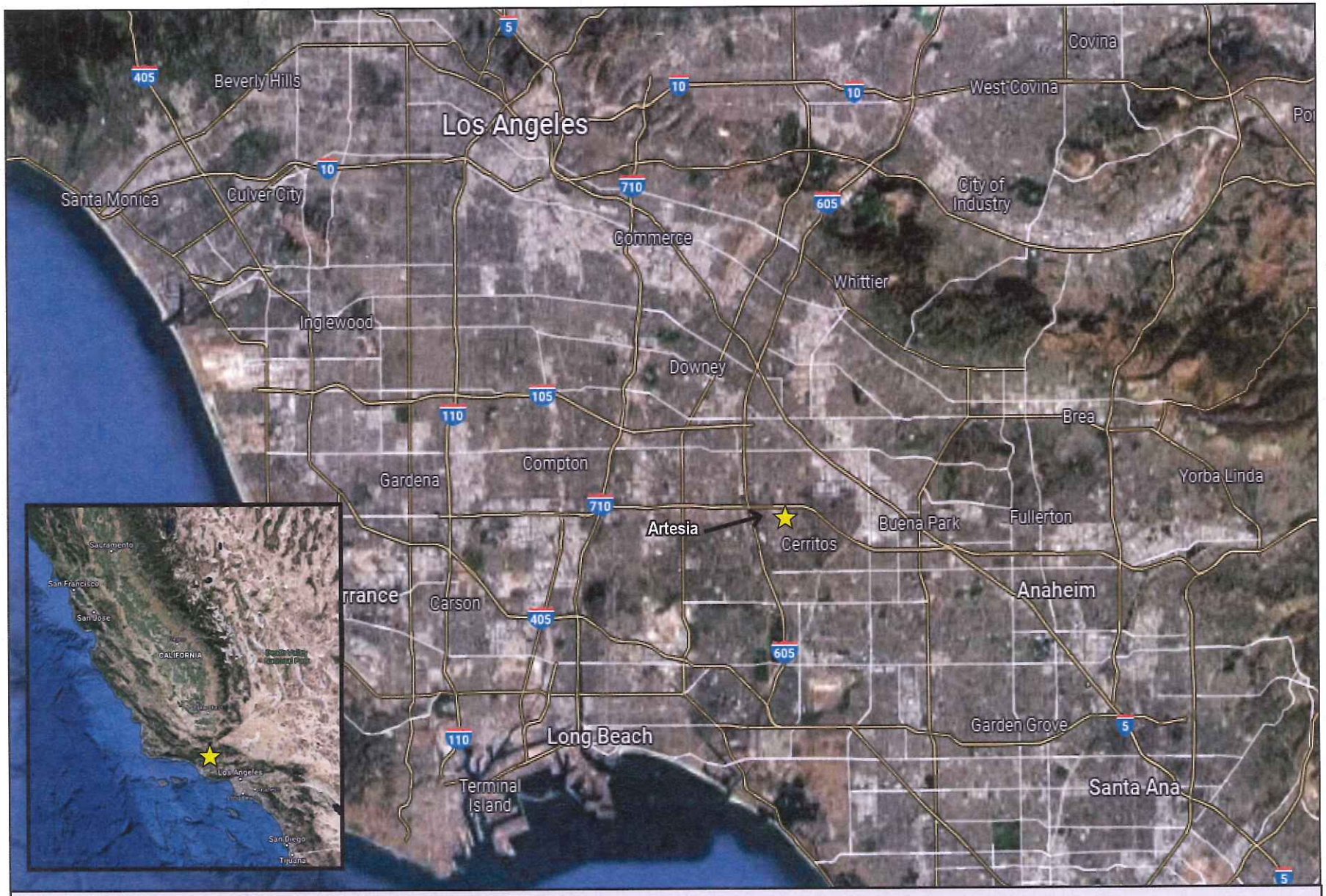

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

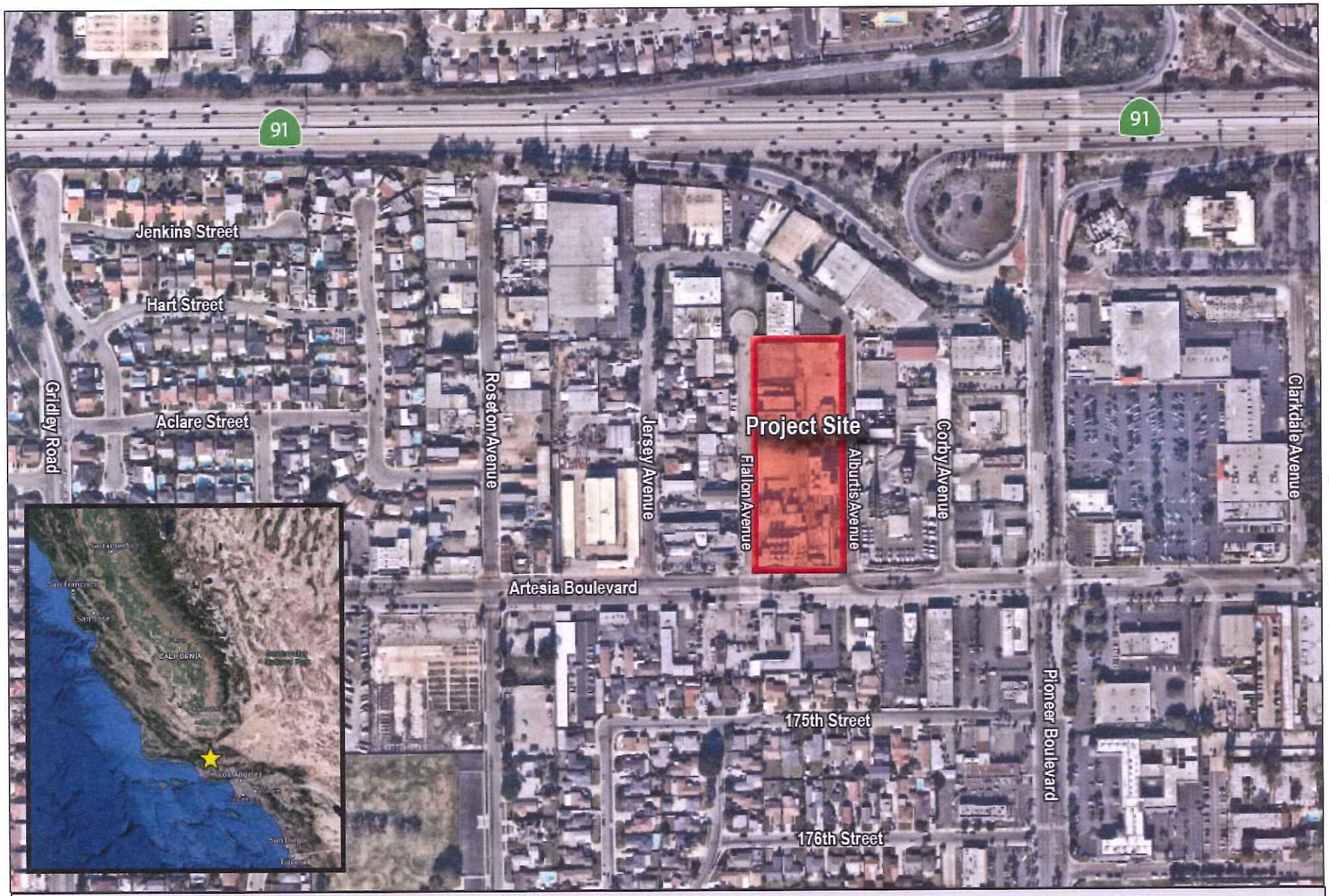

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

THE CITY OF ARTESIA, CALIFORNIA

18747 CLARKDALE AVENUE, ARTESIA, CALIFORNIA 90701
Telephone 562 / 865-6262
FAX 562 / 865-6240

"Service Builds Tomorrow's Progress"

June 15, 2022

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 San Jacinto, CA, 92581

Subject: ***Notification of the Proposed Artesia Boulevard Corridor Specific Plan Amendment Project Pursuant to SB 18***

Dear Mr. Vivanco:

Senate Bill 18 (SB 18) requires that cities/counties consult with California Native American Tribes that are on the Tribal Consultation List maintained by the California Native American Heritage Commission (NAHC), before adopting or amending a General Plan or Specific Plan. In compliance with SB 18 requirements, and as Lead Agency, the City of Artesia hereby extends an invitation to consult on the proposed Artesia Boulevard Corridor Specific Plan Amendment Project (Project). This consultation is intended to assist with identifying and/or preserving and/or mitigating potential Project impacts to Native American cultural places. A record search of the NAHC Sacred Lands File has already been requested.

The Project site consists of one approximately 3.29-acre property (Assessor's Parcel Number 7035-016-064) located at 11709 Artesia Boulevard in the City's Artesia Boulevard Corridor Specific Plan (ABCSP) area. The Project site is generally bound by Artesia Boulevard on the south, Alburtis Avenue on the east, and Flallon Avenue on the west. **Figure 1: Regional Vicinity Map** depicts the Project site in a regional context. **Figure 2: Local Vicinity Map** depicts the Project site in a local context. The Project site is currently vacant. The Project proposes to construct a mixed-use development generally comprised of two portions: a commercial portion and a residential portion, connected by pedestrian walkways. In total, the development proposes approximately 8,650 square feet of commercial uses and 80 dwelling units.

The Project would also include approximately 216 off-street surface parking spaces and 22 off-site street parking spaces, and landscaping and circulation improvements. It is preliminarily anticipated the Project will require a Specific Plan Amendment to allow the proposed mixed-use development.

If you desire to consult with the City on review of this Project, please provide a written request for consultation to the address above or via email to email to odor@cityofartesia.us. My direct telephone number is 562.865.6262, Extension 227. Please respond in writing within 90 days of receipt of this letter should you wish to consult under SB 18. Should the City not receive a response from your tribe within 90 days, it will be presumed that you have declined consultation. If you have any questions or need further information, please contact Mel Lee, Contract Planner, at (562) 865-6262, Ext 243 or at Planning@cityofartesia.us.

Sincerely, ML for

Okina Dor
Community Development Manager

Attachments: *Figure 1: Regional Vicinity Map*, and *Figure 2: Local Vicinity Map*

FIGURE 1: REGIONAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

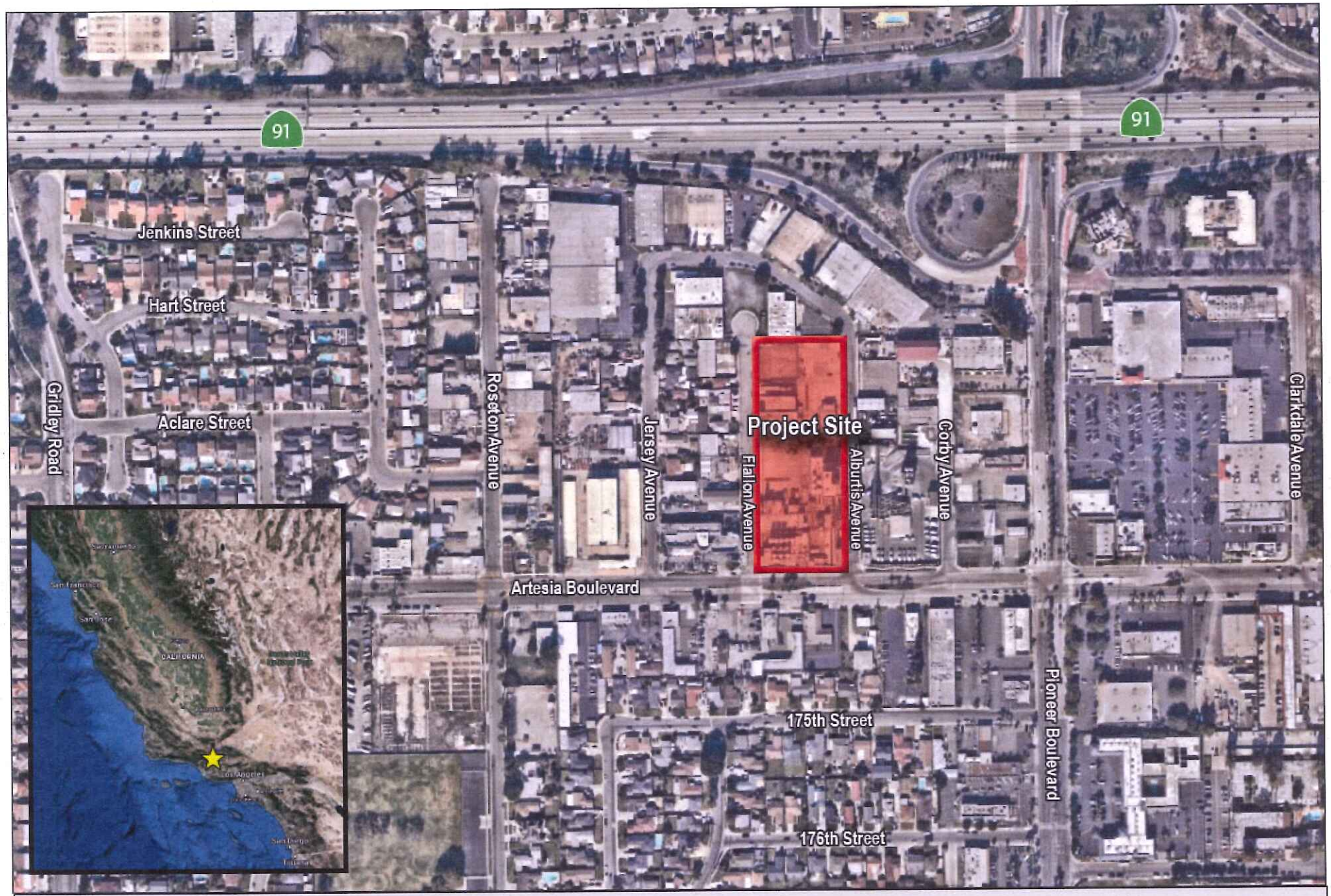

FIGURE 2: LOCAL VICINITY MAP

Artesia Boulevard Corridor Specific Plan Amendment Project

NOT TO SCALE

Kimley»Horn

Appendix 4.12-1

Dry Utility Assessment and Cost Opinion

SOUTHERN CALIFORNIA
Utility Solutions

Dry Utility Assessment and Cost Opinion
Artesia Blvd & Flallon Ave
11709 Artesia Blvd, Artesia, CA 90701

Prepared For:

urban

By:
Southern California Utility Solutions, Inc.
39252 Winchester Road, Suite 107-315
Murrieta, CA 92563

May 3, 2022

SOUTHERN CALIFORNIA
Utility Solutions

Executive Summary

The following is a summary of our opinions and recommendations in relation to dry utilities for the project located at 11709 Artesia Blvd in the City of Artesia. This report was prepared based on information provided by G3 Urban (G3U) and a site visit.

The attached opinion of probable cost includes the SCE, Frontier, Charter/Spectrum, and SCG fees and dry utility trenching contractor costs. It is based on the C&V VTTM dated March 1st, 2022, that includes sixteen buildings consisting of a total of 80 multifamily dwelling units and two retail spaces.

Electric – Southern California Edison (SCE)

SCE Existing Utility Summary

Northern Property Line

Southern California Edison (SCE) is the incumbent electric utility provider in the area. Based on input provided from G3U all existing poles and overhead wires will not be conditioned by the city to be converted to underground. Recommend obtaining written verification from city.

There are overhead SCE distribution lines running east to west just inside the northernmost property line. After exiting the property, the pole line continues east across Alburtis Avenue and west across Flallon Avenue. There is an overhead service drop from a pole near the center of the northern property line to a commercial building at 17115 Alburtis Avenue. The pole and service drop are planned to be protected in place with no scope to relocate; no associated utility fees are included in the cost opinion.

Due to the proximity of the overhead wires to the property, it is our recommendation to review the state (G.O. 95), city, fire department, and utility minimum clearance requirements to confirm that proposed buildings can be constructed while maintaining the minimum requirements. A review of possible utility easements and access requirements to existing facilities within the project limits is recommended.

Additionally, there is an SCE distribution pole line that cuts from north to south through the center of the property. It begins near the northern property line and dead ends approximately 270 feet south of the starting point. There are three poles in total along with overhead equipment and services. There are also multiple padmounted structures on site. Recommend that the three poles, overhead equipment, padmounted transformers and services be removed on an idlefacilities work order. During site visit we met with Angel Cedano with ADEP Precision, the demolition contractor actively working at the site. He stated that he has already coordinated with Frontier and SCG to complete their removals of all facilities within the site. Angel stated that on 2/25/22 SCG completed their removal and Frontier completed theirs on 4/18/22. Angel has scheduled the SCE removal of all structures to be completed on 5/13/22. No associated costs included in the cost opinion.

Flallon Ave

SCE has a pole line running east/west that crosses Flallon Avenue perpendicularly near the northern portion of the cul-de-sac. The pole line contains a distribution circuit as well as communications, both telephone and cable TV. No conflict.

There is also a pole line on the east side of the street belonging to Frontier. However, four of the poles also have SCE low-voltage street light wire and street light mast arms attached to them. Two of these poles one of which has a streetlight attached conflict with proposed driveway locations. Costs were included to underground the lines and remove the two poles in conflict and replace one streetlight with one SCE LS-1 concrete cobrahead light. All other poles and streetlights are assumed to be protected in place. Recommend G3U verify with city street light requirements for all streets and update cost opinion if necessary.

Alburtis Ave

There is an SCE pole line running north/south along the eastern side of the street. No conflict.

Artesia Blvd

There are overhead SCE distribution lines running east to west along the north side of Artesia Boulevard within the public right-of-way. The poles are planned to be protected in place with no scope to relocate; no associated costs included in the cost opinion.

Due to the proximity of the overhead wires to the property, it is our recommendation to review the state (G.O. 95), city, fire department, and utility minimum clearance requirements to confirm that proposed buildings can be constructed while maintaining the minimum requirements. A review of possible utility easements and access requirements to existing facilities within the project limits is recommended.

SCE Onsite Assessment

In addition to the comments on the north property line, the parcel on the east side of Alburtis is within the scope of the project limits. The property has an overhead distribution system along the east and north property lines with a meter pole located within the property limits. TTM indicates that existing improvements are to remain. No scope to relocate and no associated costs are included in the cost opinion.

SCE New Service

Assumed point of connection is pole 2147865E, approximately 240’ north of the centerline of Artesia Boulevard, just behind curb on the east side of Alburtis Avenue. Assume 2-5” primary conduits to riser on pole heading west directly across the street to a new switch near the southeast corner of the project site. Assume that four transformer pads will be required. Conduit size and quantity for services at each respective building to be determined by the panel sizes.

SCE Streetlights

Alburtis Avenue has existing streetlights on the east side across from the project frontage, and Flallon Avenue has existing streetlights on the east side along the project frontage starting at Artesia Boulevard. All onsite streetlights assumed to be private with service coming from one of the building's house meters; no costs included for onsite streetlights or along the frontage of Alburtis or Flallon. Recommend review of streetlight and undergrounding requirements with City and update cost opinion, as necessary.

Frontier

Frontier is the incumbent telephone provider in the area.

Frontier Existing Utility Summary

Northern Property Line

Frontier has facilities attached to the poles along the northern property line with an overhead service drop to 17115 Alburtis Avenue. These are planned to be protected in place with no scope to relocate; no associated costs included in the cost opinion.

Flallon Ave

Frontier has a pole line running north/south on the east side of the street along the project frontage. Two of the poles conflict with proposed driveways; costs are included to either relocate the poles and replace the SCE pole mounted streetlight with a concrete cobrahead street light, with Frontier transferring their existing cable to the relocated poles (Option 1). Option 2 is to remove the two poles and underground the facilities.

Alburtis Ave

There are no Frontier facilities attached to the SCE pole line running north/south along the eastern side of Alburtis Avenue.

Artesia Blvd

There are Frontier overhead lines attached to the SCE poles that are running east to west along the north side of Artesia Boulevard within the public right-of-way. In addition there are underground facilities including a pedestal located along the project frontage. The poles, pedestal and all underground facilities are assumed to be protected in place with no scope to relocate; no associated costs included in the cost opinion.

Frontier Onsite Assessment

See SCE summary for Northern Property Line section for notes related to the demolition contractor who has coordinated the Frontier removal.

Frontier New Service

Assumed point of connection is a pole located approximately 670' north of the centerline of Artesia Boulevard on the east side of Alburtis Avenue. Assume 2-4" conduit to be extended into the site, with pull boxes, and 1-4" service conduit to each respective building's communication closet.

Included in the cost opinion are Frontier fees for Secondary Minimum Points of Entry (SMPOE) to each building. If Frontier can provide service off their fiber network these fees should not be applicable. However, if traditional copper terminals are the only service option available then the SMPOE fees would be applicable based on Frontier tariffs.

Spectrum/Charter (Charter)

Charter is the incumbent Cable TV provider in the area.

Charter Existing Utility Summary

Northern Property Line

Charter has facilities attached to the poles along the northern property line with an overhead service drop to 17115 Alburtis Avenue. These are planned to be protected in place with no scope to relocate; no associated costs included in the cost opinion.

Flallon Ave

There are no Charter facilities attached to the Frontier pole line running north/south along the eastern side of Flallon Avenue.

Alburtis Ave

There are no Charter facilities attached to the SCE pole line running north/south along the eastern side of Alburtis Avenue.

Artesia Blvd

There are Charter overhead lines attached to the SCE poles that are running east to west along the north side of Artesia Boulevard within the public right-of-way. The poles are planned to be protected in place with no scope to relocate; no associated costs included in the cost opinion.

Charter/Spectrum Onsite Assessment

See Charter/Spectrum Existing Utility Summary above. No active services or other conflicts found during our site investigation.

Charter/Spectrum will not to be installed onsite per previous direction from G3U.

SOUTHERN CALIFORNIA
Utility Solutions

SCG – Existing and New Service summary

Gas mark outs were observed running north/south on Alburtis Avenue on the east side of the street approximately 3’ from curb.

Gas mark outs were observed running north/south on Flallon Avenue on the east side of the street approximately 3’ from curb.

Gas mark outs were observed running east/west on Artesia Blvd south of the median.

See SCE summary for Northern Property Line section for notes related to the demolition contractor who has coordinated the SCG onsite removal.

All gas mains are assumed to be protected in place and no associated costs included in the cost opinion.

SCG will not to be installed onsite to residential units per previous direction from G3U. Cost opinion includes extension of gas stub to each of the two retail buildings.

Appendix 4.12-2

Golden State Water Company Will Serve Letter

Golden State
Water Company
A Subsidiary of American States Water Company

June 10, 2024

Mitch Gardner
15235 S Western
Gardena, CA 90249

Re: Will Serve Letter
11709 Artesia Blvd
Artesia, California

Dear Mr. Gardner:

This letter is to inform you that water service is available to the above referenced address from Golden State Water Company's (GSWC) Central District water system located in the city of Artesia. Service to the address can be provided from our existing water facilities within Artesia Blvd.

Upon completion and execution of a Water Service Agreement, that contains satisfactory financial arrangements and other provisions governing the extension of water service, Golden State Water Company (GSWC) will begin providing water service for the referenced address once all owner obligations have been satisfied. Analysis of more detailed development plans may require the owner to participate in the construction of special facilities prior to the Company providing water service.

GSWC is committed to providing water service to all customers within its service area, consistent with the company's obligations under rules, statutes and regulations of both the California Department of Public Health and the California Public Utilities Commission.

Unless modified or extended by GSWC, this Will Serve Letter shall terminate and be of no further force and effect one year from the date indicated above.

If you have any questions concerning the issues addressed in this letter, please let us know.

Sincerely,

Ray Burk, P.E.
Operations Engineer
Central District

Appendix 4.12-3

Preliminary Hydrology Study

PRELIMINARY HYDROLOGY STUDY

VTTM NO. 83834
11709 Artesia Boulevard
City of Artesia, County of Los Angeles

Project Address:
11709 Artesia Boulevard
Artesia, CA 90701

Prepared For:

G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
Contact: Mitchell Gardner

Prepared By:

C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
Contact: Ryan Bittner, P.E.

Prepared: February 2024

Preliminary Hydrology Study
For
Vesting Tentative Tract Map No. 83834

Acknowledgement and Signature Page

This Preliminary Hydrology Study was prepared by C&V Consulting, Inc. under the supervision of Ryan Bittner, P.E.

_____ _____

Ryan Bittner, P.E. 68167 Date
C&V Consulting, Inc.

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III. Existing Conditions 1
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Parkway Drain Sizing 7
Grated Inlet Sizing 7
Curb Inlet Sizing 7
100-Year Water Surface Elevation (WSE) 7
IX. Conclusion 7
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APPENDIX A Maps and Exhibits

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Isohyet Map
Pre-Development Hydrology Map
Post-Development Hydrology Map

APPENDIX B Hydrology Analysis

Existing Conditions HydroCalc Outputs
Proposed Conditions HydroCalc Outputs

APPENDIX C Water Quality Retention Sizing Analysis Summary

APPENDIX D Hydraulics Analysis

APPENDIX F References

Reference Plans
FEMA Flood Map

I. Purpose

The purpose of this report is to provide quantitative information to verify the design of the storm drain infrastructure and hydrologic methodology of the project site. The values and statements within the confirm the subject site is designed and planned in accordance with the Los Angeles County Hydrology Manual and the City of Artesia drainage requirements.

II. Site Description

The project site consists of several existing lots that form rectangular shaped areas with a total gross area of 4.99 acres. The project proposes two development areas within the site, it is located at 11709 Artesia Boulevard and 17212 Alburtis Avenue, in the City of Artesia (APN:7035-016-064, 7035-020-056). The larger portion of the development is bounded by Flallon Avenue to the west, Alburtis Avenue to the east, Artesia Boulevard to the south, and an industrial building to the north. The other portion of the development is located across Alburtis Avenue.

Per Geotechnical Investigation, prepared by Albus & Associates, Inc. dated December 7, 2021, based on state-provided information, the historic-high groundwater is approximately 10 feet below the ground surface. From the geotechnical perspective, the findings indicate the site is not feasible for infiltration, therefore, bio-filtration BMPs are considered for the proposed site.

According to the federal Emergency Management Agency (FEMA) FIRM rate map number 06037C1980F, effective date September 26, 2008, the site is located within flood Zone X, area with reduced flood risk due to levee.

Refer to Appendix A for Vicinity Map of the project site.

Refer to Appendix F for additional information per FEMA flood map.

III. Existing Conditions

The existing conditions of the large development portion consist of a vacant commercial lot and the other portion with a parking lot area across Alburtis Avenue. The entire site is completely paved with no landscaping on site prior to any post-development construction per geospatial images which is assumed to have a negligible pervious area coverage.

The overall existing drainage of the project site generally surface flows southerly from adjacent right of way to confluence with the street flows to the existing catch basins at the public right of way near the corner of Artesia Boulevard and Flallon Avenue. There is an existing drainage inlet near the center of the site that collects a portion of the center of the site. The drainage collection point near the center that is generally flat, which spills over the right of way towards Alburtis Avenue and Flallon Avenue at the right-of-way and continues southerly towards the low point; therefore, the site is divided into multiple drainage areas that is tributary to the adjacent downstream system which confluence at the low point adjacent to the site.

Refer to Appendix A, Pre-Development Hydrology Map for additional information.

IV. Proposed Conditions

The project proposes the construction of 22 residential buildings with 112 attached condominiums with private garages, private drive aisles, sidewalks, and common landscaped areas. The development site will be accessible with entrances/ exits along Flallon Avenue and Alburtis Avenue.

The large development portion is delineated into nine (9) drainage management areas (DMAs) and smaller portion separated as its own DMA where each tributary area's runoff enters the proposed inlet near each entrance of the site. The proposed catch basin inlets and grated inlets collect the proposed site's generated runoff to be routed to an underground detention system that feeds into a bio-filtration system via pump station for water quality treatment. The treated flow will be pumped to a parkway culvert and be routed to the downstream system. Both development sites have their own detention and treatment system following its existing drainage pattern to confluence downstream at the same point.

When the underground detention is at full capacity, the confluence of the flows will be mitigated to the proposed overflow parkway culvert through the interconnected storm drain system. The public streets catch basin is to be relocated slightly south of the existing conditions as parking is proposed along the public right of way, which will not be a part of this hydrological analysis due to it characteristic to be remain in-kind to preserve the historical drainage pattern.

In cases of storm events exceeding the design storm drain capacity, the site is graded to outlet overflow at the entrances of the site towards Flallon Avenue and Alburtis Avenue. The runoff will then continue along the street flow downstream following existing conditions.

Refer to Appendix A, Post-Development Hydrology Map for additional information.

A separately prepared LID plan is prepared to address the Los Angeles County storm water quality requirements.

V. Methodology

The project site's drainage was analyzed per the Los Angeles County Hydrology Manual. The existing and proposed conditions of the site were analyzed for peak flow rate and time of concentration for the 25- and 100- storm events based on acreage and land cover per LACDPW HydroCalc program.

VI. Design Assumption

1. The LACDPW HydroCalc Calculator Program was used to determine Tc, Peak run-off flow rate, and run-off volume for subarea based on the longest flow path and elevation difference.
2. The Property is located in the "Los Alamitos" rainfall region per Figure 1.H1.6 of the Hydrology Manual. A depth of 5.5 inches of rainfall was determined from the 50-year storm 24-hour isohyet map.
3. The site is in the soil classification of "006" per Figure 1.H1.6 of the Hydrology Manual.
4. Existing conditions for the site are assumed to be a value of 100% impervious based on geospatial observation of google earth images.
5. Proposed conditions impervious are delineated per landscape plan and drainage management areas shown within the Post-Development Hydrology Exhibit.
6. Proposed onsite storm drain will be sized to convey the 25-year storm per urban flood requirement.
7. No direct connections to the public storm drain are proposed. Therefore, proposed peak flow mitigation will be governed by the existing peak flows.

VII. Hydrology Analysis

A summary of the pre- and post-development conditions peak runoff values generated from the project site has been provided below.

Hydrology Summary

Project site generated runoff peak flowrates per drainage areas are shown within the Hydrology Map. All flows ultimately confluence nearby downstream inlet adjacent to the site right of way.

Pre-Development Conditions	Area (ac)	Q_{25} (cfs)	Q_{100} (cfs)
DMA-XA-1	0.716	1.86	2.37
DMA-XA-2	0.228	0.59	0.76
DMA-XA-3	1.112	2.65	3.68
DMA-XA-4	1.248	3.24	4.14
Total	3.304	8.33	10.95

Pre-Development Conditions	Area (ac)	Q_{25} (cfs)	Q_{100} (cfs)
DMA-XB	0.248	0.64	0.82

Proposed conditions of the project site is designed and graded to replicate the existing conditions to preserve historical drainage patterns.

Post-Development Conditions	Area (ac)	Q_{25} (cfs)	Q_{100} (cfs)
DMA-A-1	0.412	1.05	1.36
DMA-A-2	0.313	0.80	1.03
DMA-A-3	0.384	0.98	1.27
DMA-A-4	0.297	0.76	0.98
DMA-A-5	0.278	0.71	0.92
DMA-A-6	0.359	0.92	1.18
DMA-A-7	0.282	0.72	0.93

DMA-A-8	0.368	0.94	1.21
DMA-A-9	0.611	1.43	2.01
Total	3.304	8.32	10.89

Post-Development Conditions	Area (ac)	Q_{25} (cfs)	Q_{100} (cfs)
DMA-B	0.248	0.63	0.82

Pre- vs Post- Drainage Management Area	Q_{25} Percent Difference	Q_{100} Percent Difference
DMA-A	-0.1%	-0.6%
DMA-B	-1.3%	-0.6%

Refer to Appendix B of this report for LACDPW HydroCalc output data.

Retention Sizing and Water Quality Treatment Summary

Hydrologic analysis determined that routed peak flow based on the proposed development for the 25-year storm event is lower than pre-development conditions. Therefore, hydrologic mitigation is not required as proposed development will preserve exiting condition peak flow. Moreover, the generated runoff volume is also lower, which will not impact downstream drainage capacity.

The addition of retention storage per water quality treatment volume requirement will further enhance the flow capacity during lower storm event where peak flow can be held within the retention system. Refer to summary of water quality sizing below:

	Area (ac)	Storm Water Quality Treatment Volume (cu-ft)	Proposed Underground Detention Volume (cu-ft)
Proposed Development Site DMA-A	3.304	8,154.4	12,712.8
Proposed Development Site DMA-B	0.248	612.1	1,005.3

Refer to Appendix C of this report and separately prepared LID for additional Water Quality Treatment Information.

VIII. Hydraulics Analysis

Grated Inlet Capacity Sizing

Grated inlet will be sized with a capacity to intercept the 25-year storm event peak flowrate during final engineering in conformance with precise grading plan.

Additional Analysis to be provided in Appendix D of this report.

Curb Inlet Capacity Sizing

Catch Basin inlet will be sized based on the 25-year storm event to conform with LACDPW Hydrology urban flood street capacity during final engineering in conformance with precise grading plan.

Additional Analysis to be provided in Appendix D of this report.

Pipe Sizing

Onsite storm drain piping will be sized for the 25-year storm event and will be analyzed based on open channel flow. Therefore, WSPG hydraulic pressure analysis is not warranted. Preliminary Pipe Sizing is provided in Appendix D.

*A Manning's Roughness Coefficient of 0.013 has been utilized to represent the roughness coefficient of PVC and/or HDPE piping.

Parkway Drain Sizing

Parkway drains are provided for the treated storm water and excess storm water when the underground storage and conveyance pipes are at full capacity. A parkway drain is provided for treated storm water leaves the site via pump station at a design steady rate while a separate overflow parkway is sized for the 100-year storm event for stormwater to bubble out from the lowest inlet of the site and continue downstream following historical drainage conditions.

Refer to Appendix D for Preliminary Parkway Drain Analysis.

100-Year Water Surface Elevation (WSE)

The elevation of the 100-year water surface is analyzed at localized low point of the site to ensure proper flood protection is provided for the proposed buildings. Building finished floors will be set at a minimum of at least 1 foot above the 100-year WSE. Private street grading provides proper overflow to downstream system to ensure flood protection for the proposed buildings.

Additional Analysis to be provided in Appendix D of this report.

IX. Conclusion

The result from this hydrology and hydraulics study demonstrates that the overall proposed development condition will generate a lower peak runoff flowrate for all the design storm event. The proposed condition runoff volume for all design storm events is also lower than the existing condition of the site due to the increase in pervious areas. Retention sizing analysis demonstrates that sufficient storage is provided for water quality treatment volume which will further improve the receiving stormwater system. When the underground storage is at full capacity, the confluence of the flows will be mitigated to the proposed overflow parkway culvert through the interconnected storm drain system and continue downstream following existing conditions.

In cases of storm events exceeding the design storm drain capacity, the site is graded to outlet overflow at the entrances of the site towards Flallon Avenue and Alburtis Avenue. The runoff will then continue along the street flow downstream following historical drainage pattern.

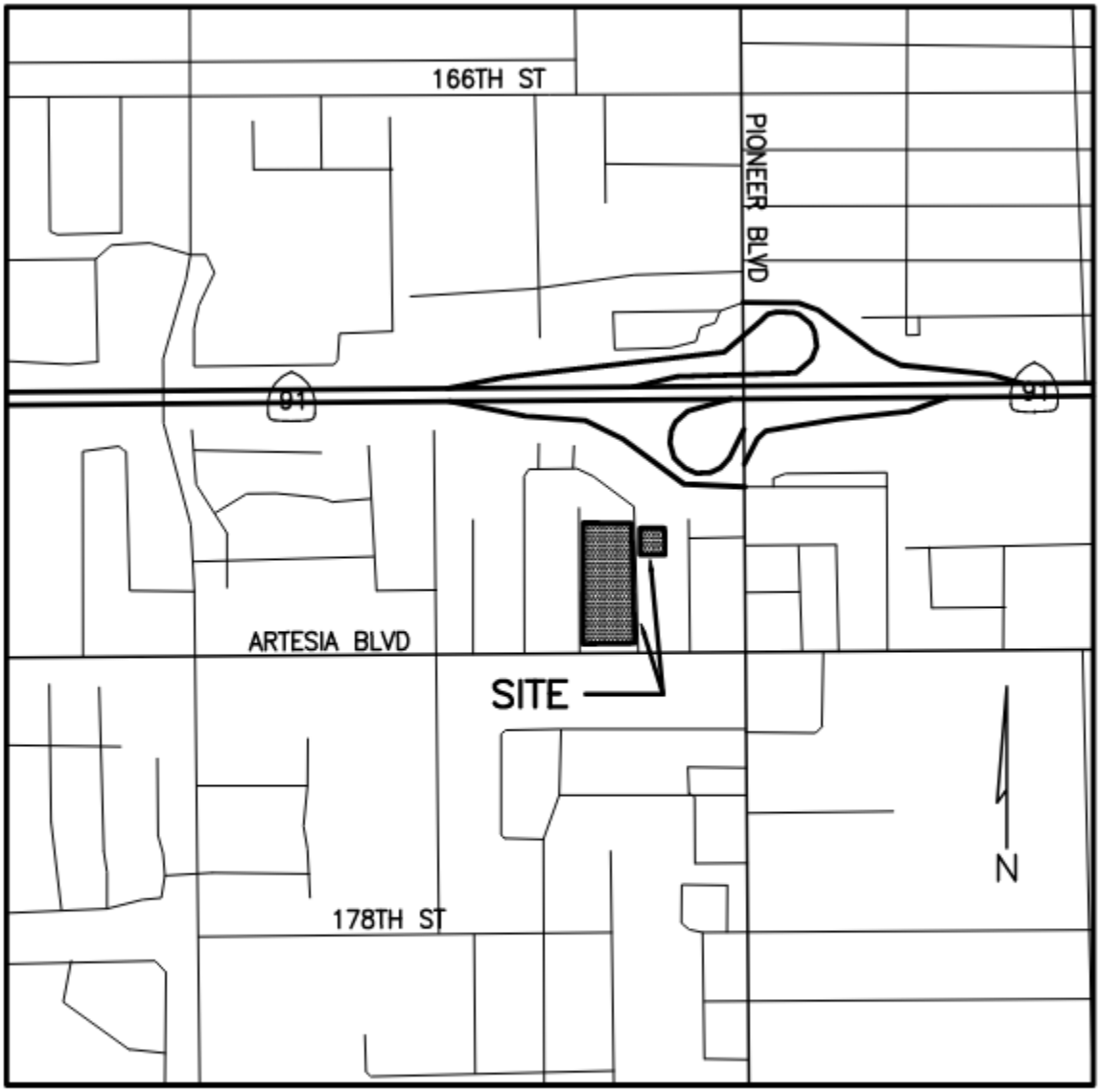
X. References

1. Los Angeles County Department of Public Works (LACDPW) Hydrology Manual, January 2006.
2. LACDPW HydroCalc Program was utilized to determine flow rates and time of concentrations.
3. National Flood Hazard Layer FIRMette. Federal Emergency Management Agency. Data refreshed October, 2020.
4. Existing and Proposed Conditions Hydrology Maps, prepared by C&V Consulting, Inc.
5. Hydraulic Toolbox 5.0. Federal Highways Administration. Build: 21 Aug 2021

APPENDIX A

Maps and Exhibits

Vicinity Map

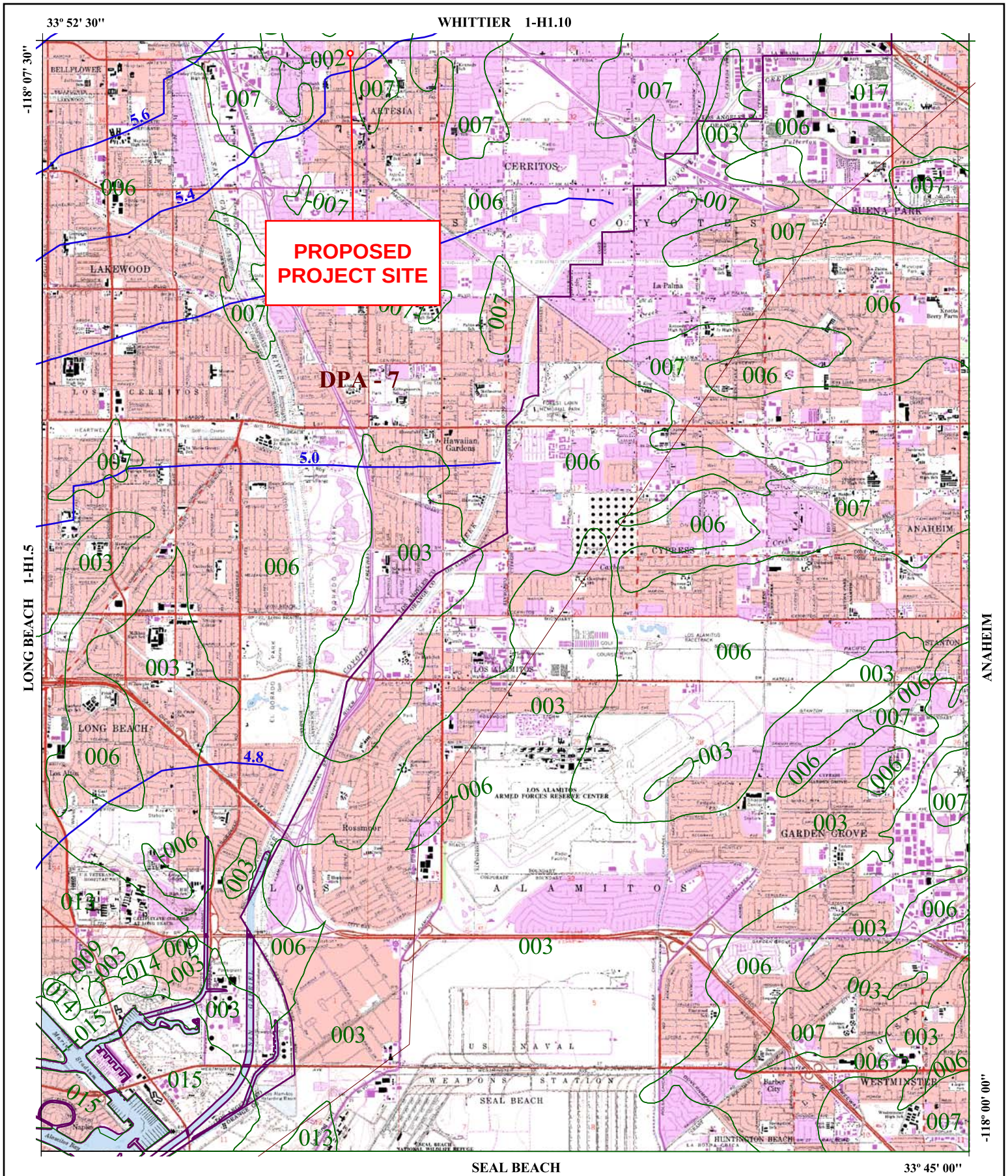


VICINITY MAP
N.T.S.

11709 ARTESIA BOULEVARD

ARTESIA, CALIFORNIA

Isohyet Map



016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

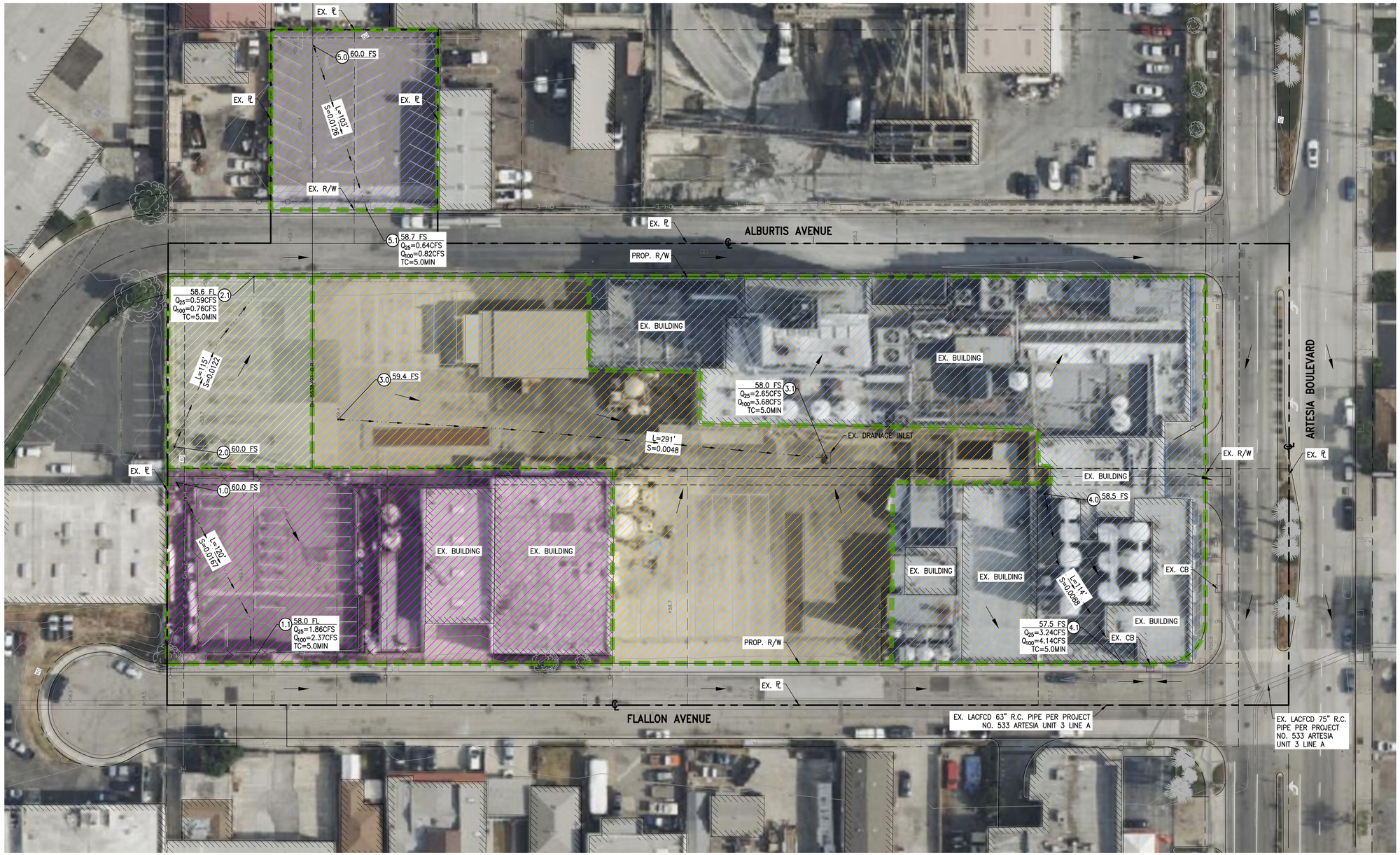
LOS ALAMITOS
50-YEAR 24-HOUR ISOHYET

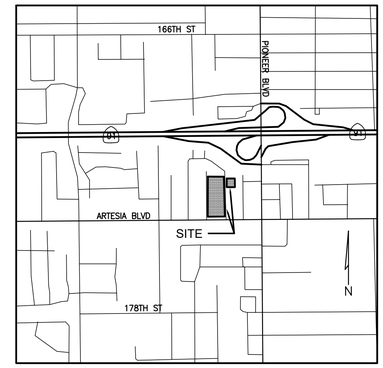
1-H1.6

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

Pre-Development Hydrology Map

PRE-DEVELOPMENT HYDROLOGY MAP





VICINITY MAP

N.T.S.

LEGEND:

- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- SITE BOUNDARY
- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- EXISTING EASEMENT LINE
- FLOW DIRECTION
- FLOW LINE
- X FL — INITIAL SUBAREA NODE; SPOT ELEVATION
- Q_{25}=X CFS — PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS)
- Tc=X MIN — TIME OF CONCENTRATION IN MINUTES (MIN) PROVIDED FOR 100-YR STORM EVENT

DMA	COLOR	LANDUSE	AREA (SF)	AREA (AC)	IMPERVIOUS %
XA-1		INDUSTRIAL	31,193	0.72	100%
XA-2		INDUSTRIAL	9,941	0.23	100%
XA-3		INDUSTRIAL	48,444	1.11	100%
XA-4		INDUSTRIAL	54,357	1.25	100%
XB-1		INDUSTRIAL	10,800	0.25	100%

NOTE: EXISTING DEVELOPMENT IMPERVIOUS COVERS ARE BASED ON GEOSPATIAL IMAGERY AND REFERENCE FROM LOS ANGELES COUNTY HYDROLOGY MANUAL.

SCALE: 1" = 30'

0 15 30 60

REVISIONS

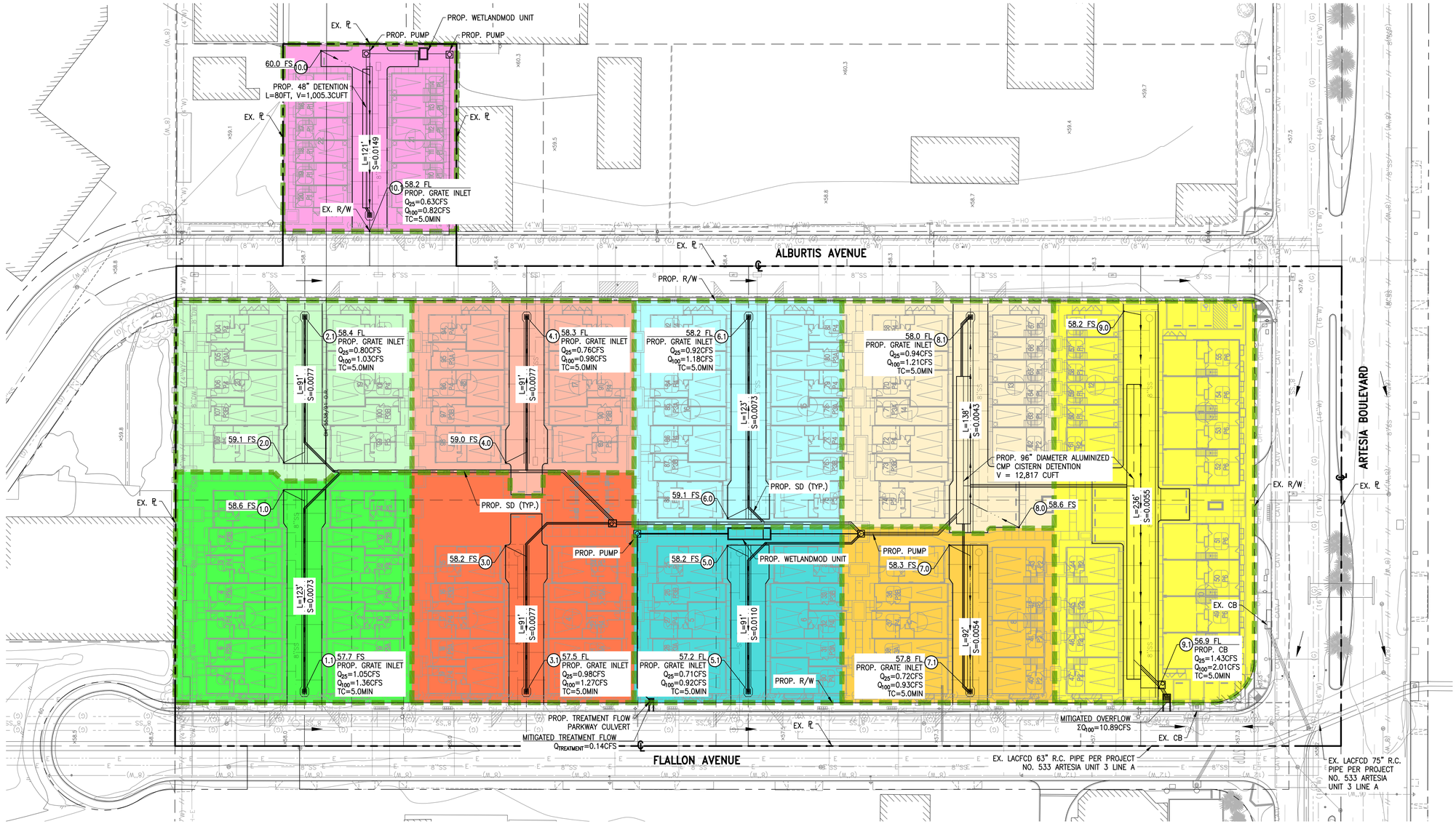
NO.	DATE	DESCRIPTION	BY

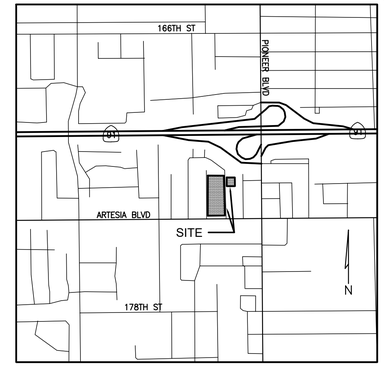
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

VTTM NO. 83834
11709 ARTESIA BOULEVARD
CITY OF ARTESIA
COUNTY OF LOS ANGELES, CALIFORNIA
SHEET 1 OF 1 SHEETS

Post-Development Hydrology Map

POST-DEVELOPMENT HYDROLOGY MAP





VICINITY MAP
N.T.S.

LEGEND:

- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- SITE BOUNDARY
- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- EXISTING EASEMENT LINE
- FLOW DIRECTION
- FLOW LINE
- PERVIOUS AREA
- INITIAL SUBAREA NODE
- SPOT ELEVATION
- X FL
- Q_{25}=X CFS
- Tc=X MIN
- PEAK RUNOFF IN CUBIC FEET PER SECOND (CFS)
- TIME OF CONCENTRATION IN MINUTES (MIN) PROVIDED FOR 100-YR STORM EVENT

DMA	COLOR	LANDUSE	AREA (SF)	AREA (AC)	IMPERVIOUS %
A-1		RESIDENTIAL	17,948	0.41	86%
A-2		RESIDENTIAL	13,623	0.31	86%
A-3		RESIDENTIAL	16,720	0.38	86%
A-4		RESIDENTIAL	12,943	0.30	86%
A-5		RESIDENTIAL	12,111	0.28	86%
A-6		RESIDENTIAL	15,648	0.36	86%
A-7		RESIDENTIAL	12,304	0.28	86%
A-8		RESIDENTIAL	16,028	0.37	86%
A-9		RESIDENTIAL	26,610	0.61	86%
B-1		RESIDENTIAL	10,800	0.25	86%

NOTE: PROPOSED DEVELOPMENT IMPERVIOUSNESS ARE ASSUMED PER LOS ANGELES COUNTY HYDROLOGY DEVELOPMENT TYPE.

EXISTING CONDITIONS STORM EVENT PEAK RUNOFF	
DRAINAGE MANAGEMENT AREA (DMA)	ΣQ100 (CFS)
DMA-A	10.95
DMA-B	0.82

NOTE: EXISTING DEVELOPMENT CONDITIONS PEAK FLOW RATES ARE PRESERVED BY PROPOSED DEVELOPMENT CONDITIONS.

SCALE: 1" = 30'

0 15 30 60

REVISIONS

NO.	DATE	DESCRIPTION	BY

C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
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VTTM NO. 83834
11709 ARTESIA BOULEVARD
CITY OF ARTESIA
COUNTY OF LOS ANGELES, CALIFORNIA
SHEET 1 OF 1 SHEETS

DWG: P:\JOB\11709-00A\dwg\Sheets_CP\HYD\Preliminary\Plot-A-HYD-01.dwg BY: Kam Feb 23, 2024 - 4:28:40pm
PROJ: 11709-00A

APPENDIX B

Hydrology Analysis

Existing Conditions HydroCalc Outputs

Peak Flow Hydrologic Analysis

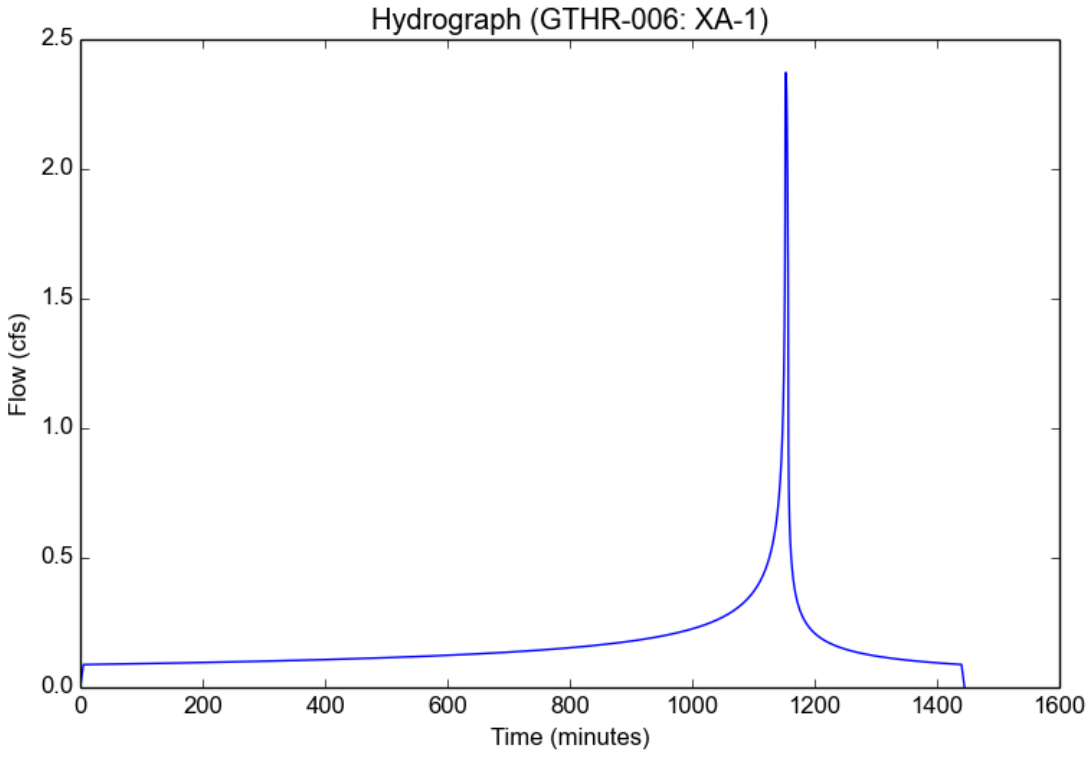
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-1
Area (ac)	0.716
Flow Path Length (ft)	120.0
Flow Path Slope (vft/hft)	0.0167
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.3725
Burned Peak Flow Rate (cfs)	2.3725
24-Hr Clear Runoff Volume (ac-ft)	0.3286
24-Hr Clear Runoff Volume (cu-ft)	14315.7371



Peak Flow Hydrologic Analysis

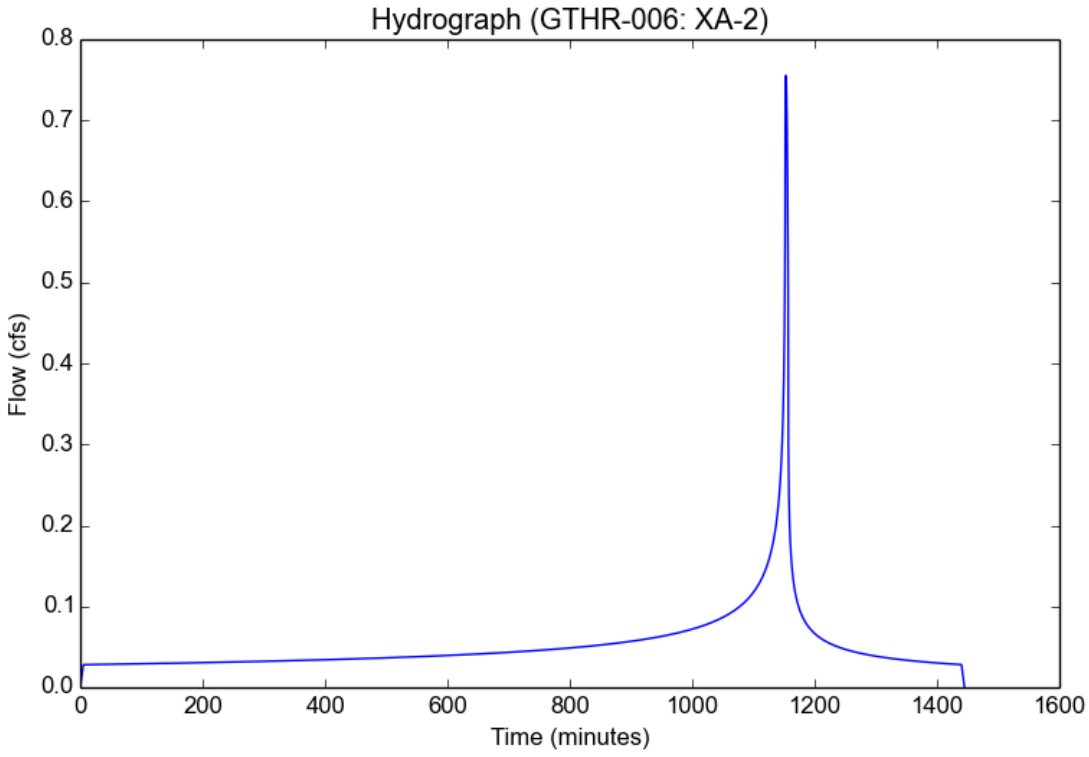
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-2
Area (ac)	0.228
Flow Path Length (ft)	115.0
Flow Path Slope (vft/hft)	0.0122
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7555
Burned Peak Flow Rate (cfs)	0.7555
24-Hr Clear Runoff Volume (ac-ft)	0.1047
24-Hr Clear Runoff Volume (cu-ft)	4558.6425



Peak Flow Hydrologic Analysis

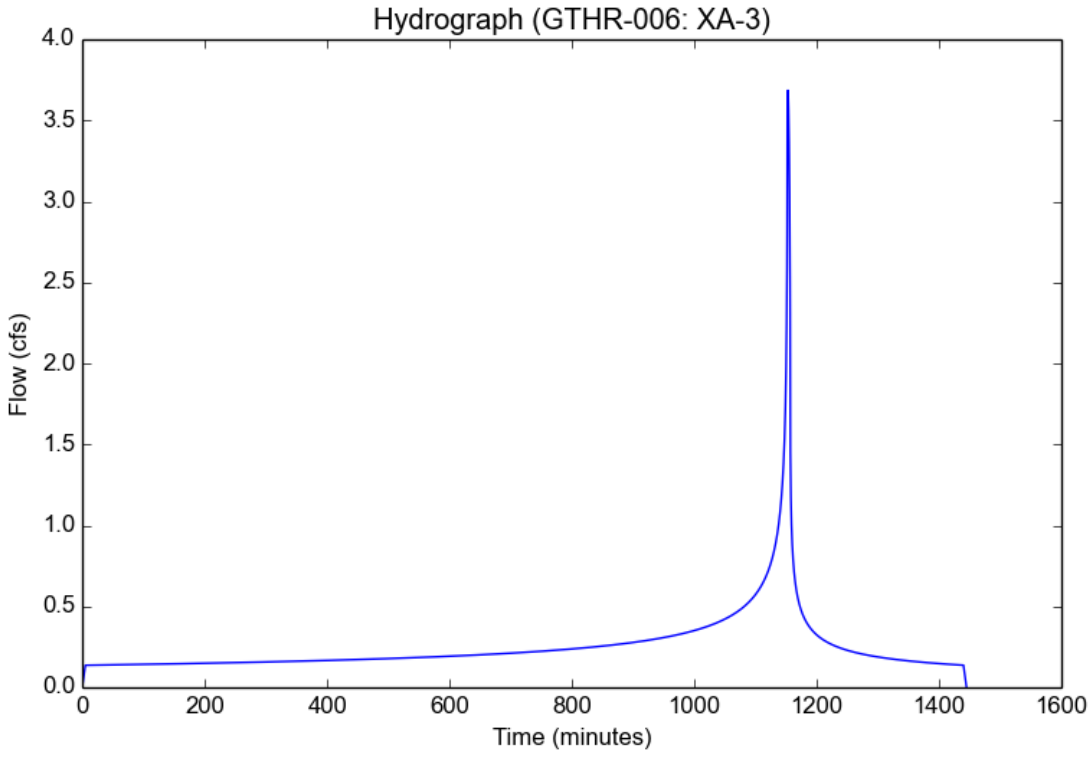
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-3
Area (ac)	1.112
Flow Path Length (ft)	291.0
Flow Path Slope (vft/hft)	0.0048
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.6847
Burned Peak Flow Rate (cfs)	3.6847
24-Hr Clear Runoff Volume (ac-ft)	0.5104
24-Hr Clear Runoff Volume (cu-ft)	22233.3794



Peak Flow Hydrologic Analysis

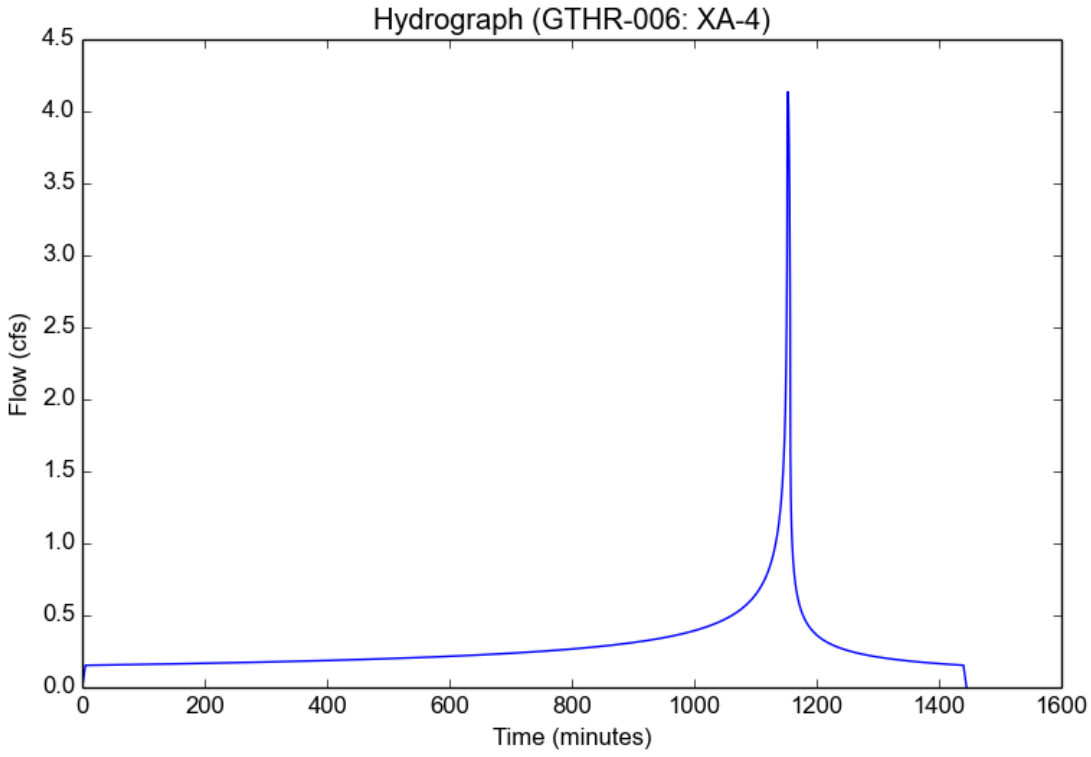
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-4
Area (ac)	1.248
Flow Path Length (ft)	114.0
Flow Path Slope (vft/hft)	0.0088
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	4.1354
Burned Peak Flow Rate (cfs)	4.1354
24-Hr Clear Runoff Volume (ac-ft)	0.5728
24-Hr Clear Runoff Volume (cu-ft)	24952.5697



Peak Flow Hydrologic Analysis

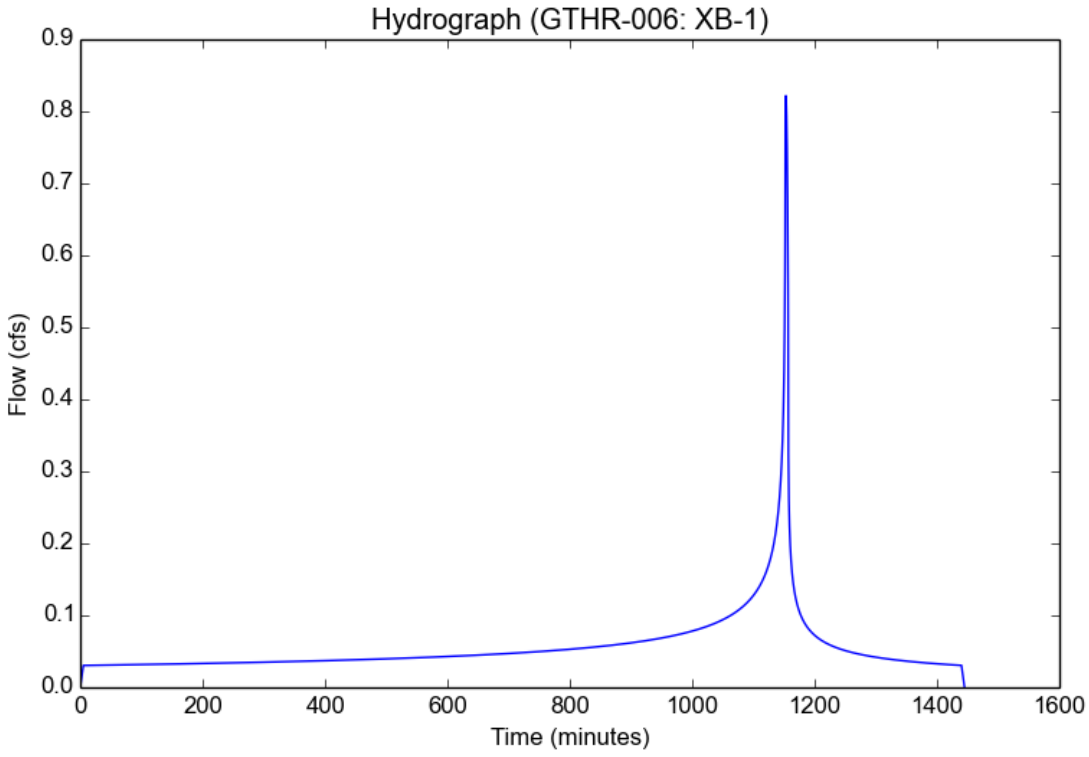
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XB-1
Area (ac)	0.248
Flow Path Length (ft)	103.0
Flow Path Slope (vft/hft)	0.0126
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.8218
Burned Peak Flow Rate (cfs)	0.8218
24-Hr Clear Runoff Volume (ac-ft)	0.1138
24-Hr Clear Runoff Volume (cu-ft)	4958.5235



Peak Flow Hydrologic Analysis

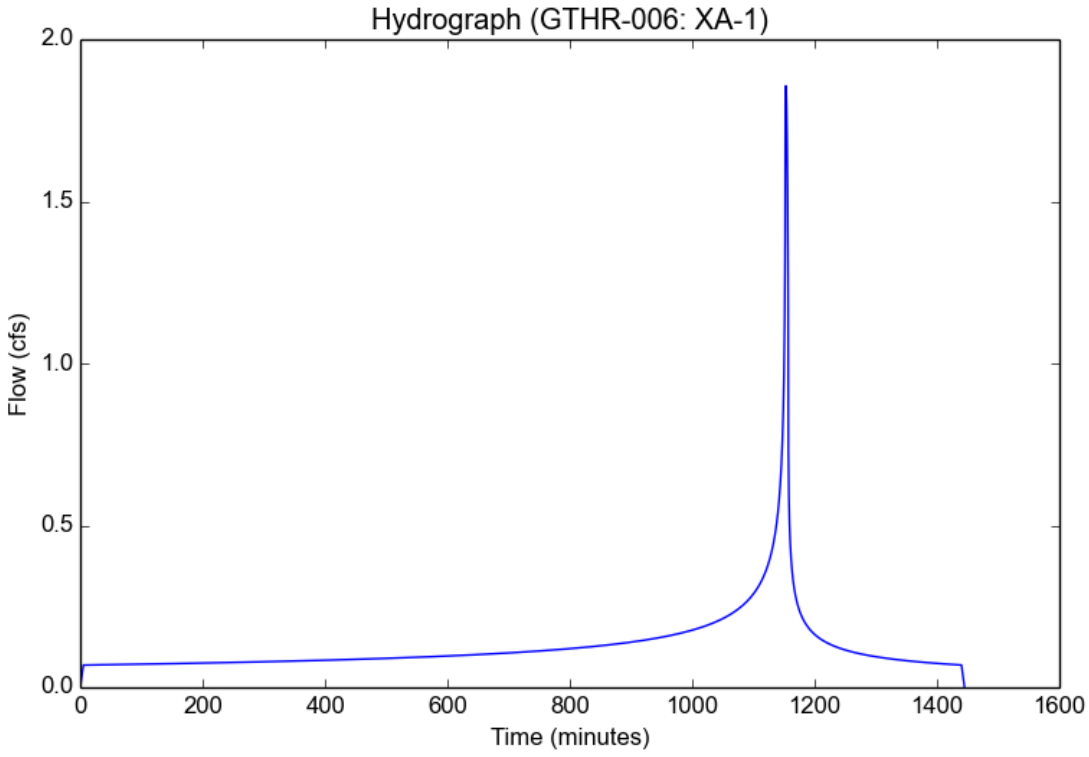
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-1
Area (ac)	0.716
Flow Path Length (ft)	120.0
Flow Path Slope (vft/hft)	0.0167
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.8566
Burned Peak Flow Rate (cfs)	1.8566
24-Hr Clear Runoff Volume (ac-ft)	0.2572
24-Hr Clear Runoff Volume (cu-ft)	11202.5109



Peak Flow Hydrologic Analysis

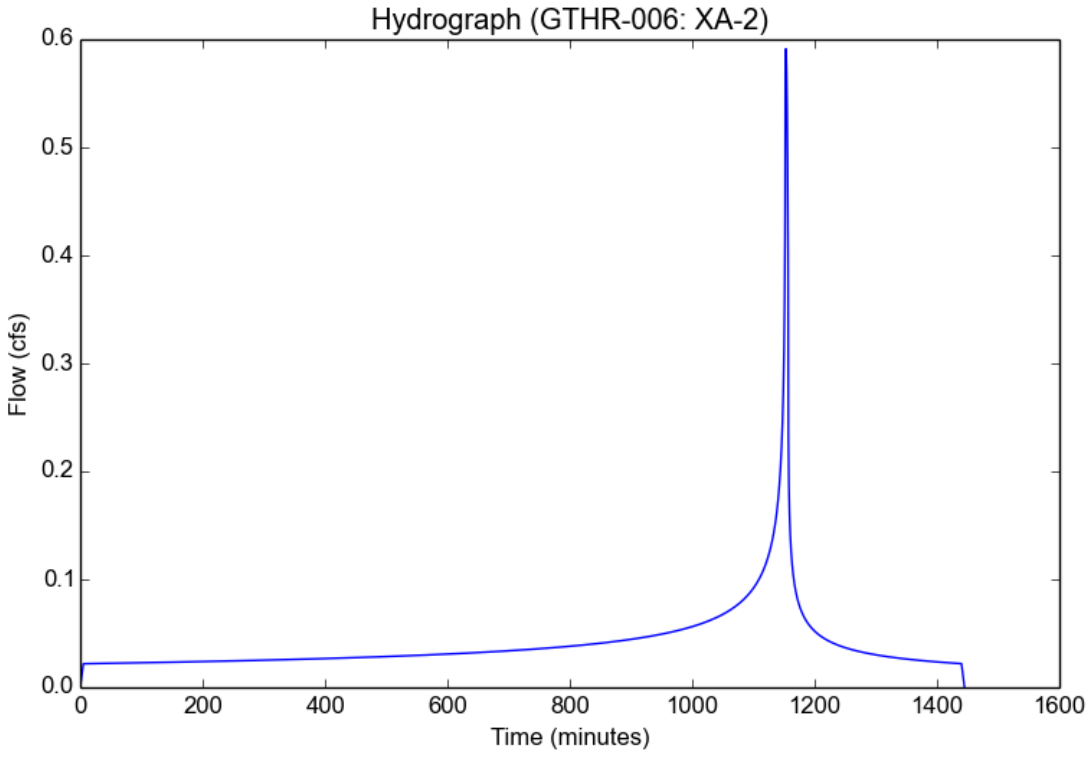
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-2
Area (ac)	0.228
Flow Path Length (ft)	115.0
Flow Path Slope (vft/hft)	0.0122
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.5912
Burned Peak Flow Rate (cfs)	0.5912
24-Hr Clear Runoff Volume (ac-ft)	0.0819
24-Hr Clear Runoff Volume (cu-ft)	3567.28



Peak Flow Hydrologic Analysis

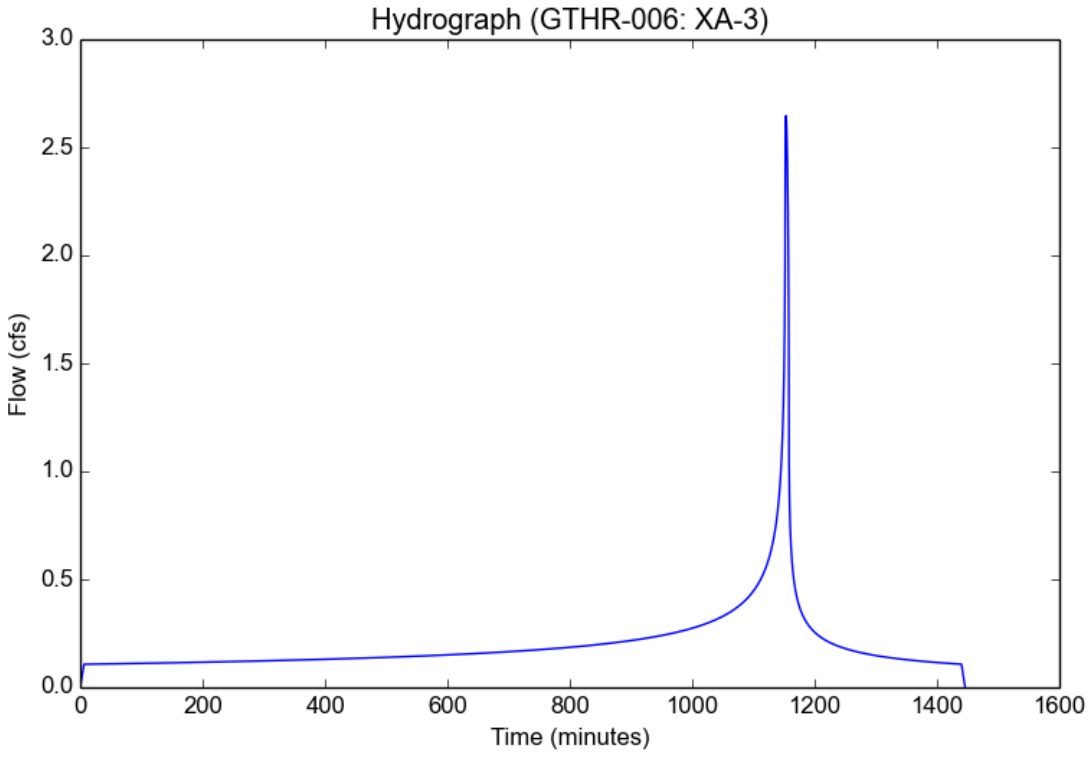
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-3
Area (ac)	1.112
Flow Path Length (ft)	291.0
Flow Path Slope (vft/hft)	0.0048
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.6445
Undeveloped Runoff Coefficient (Cu)	0.7973
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	2.6466
Burned Peak Flow Rate (cfs)	2.6466
24-Hr Clear Runoff Volume (ac-ft)	0.3994
24-Hr Clear Runoff Volume (cu-ft)	17398.3154



Peak Flow Hydrologic Analysis

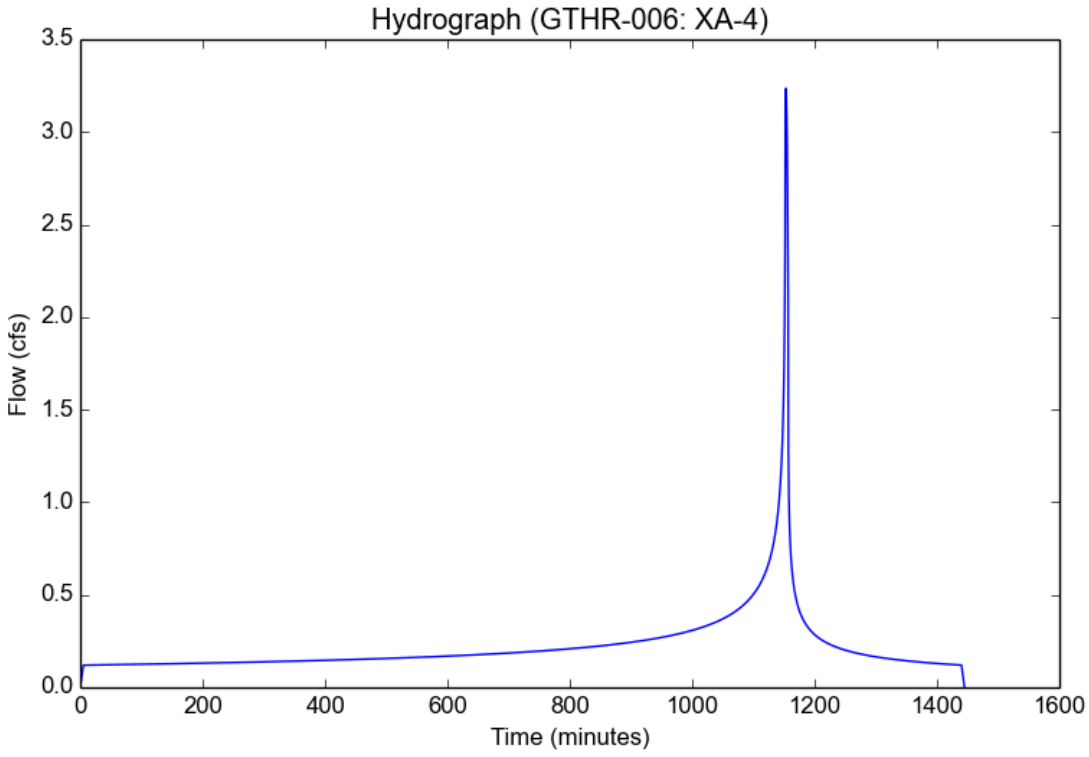
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XA-4
Area (ac)	1.248
Flow Path Length (ft)	114.0
Flow Path Slope (vft/hft)	0.0088
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.2361
Burned Peak Flow Rate (cfs)	3.2361
24-Hr Clear Runoff Volume (ac-ft)	0.4483
24-Hr Clear Runoff Volume (cu-ft)	19526.1642



Peak Flow Hydrologic Analysis

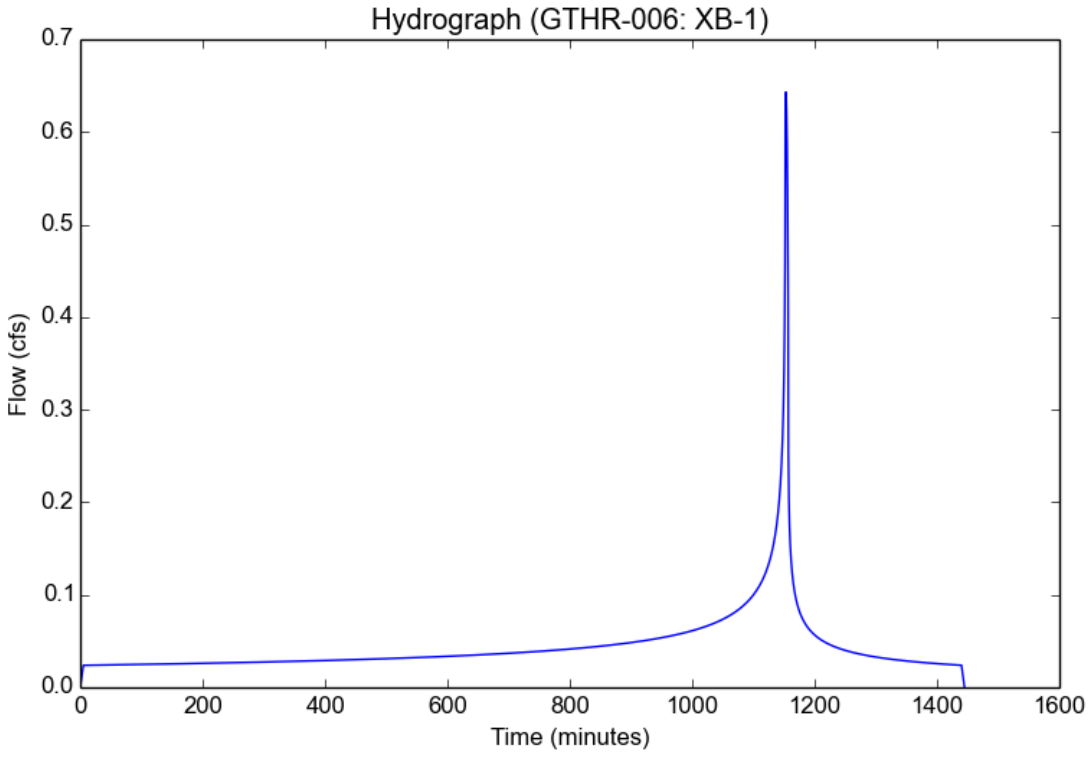
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	XB-1
Area (ac)	0.248
Flow Path Length (ft)	103.0
Flow Path Slope (vft/hft)	0.0126
50-yr Rainfall Depth (in)	5.5
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.6431
Burned Peak Flow Rate (cfs)	0.6431
24-Hr Clear Runoff Volume (ac-ft)	0.0891
24-Hr Clear Runoff Volume (cu-ft)	3880.1993



Proposed Conditions HydroCalc Outputs

Peak Flow Hydrologic Analysis

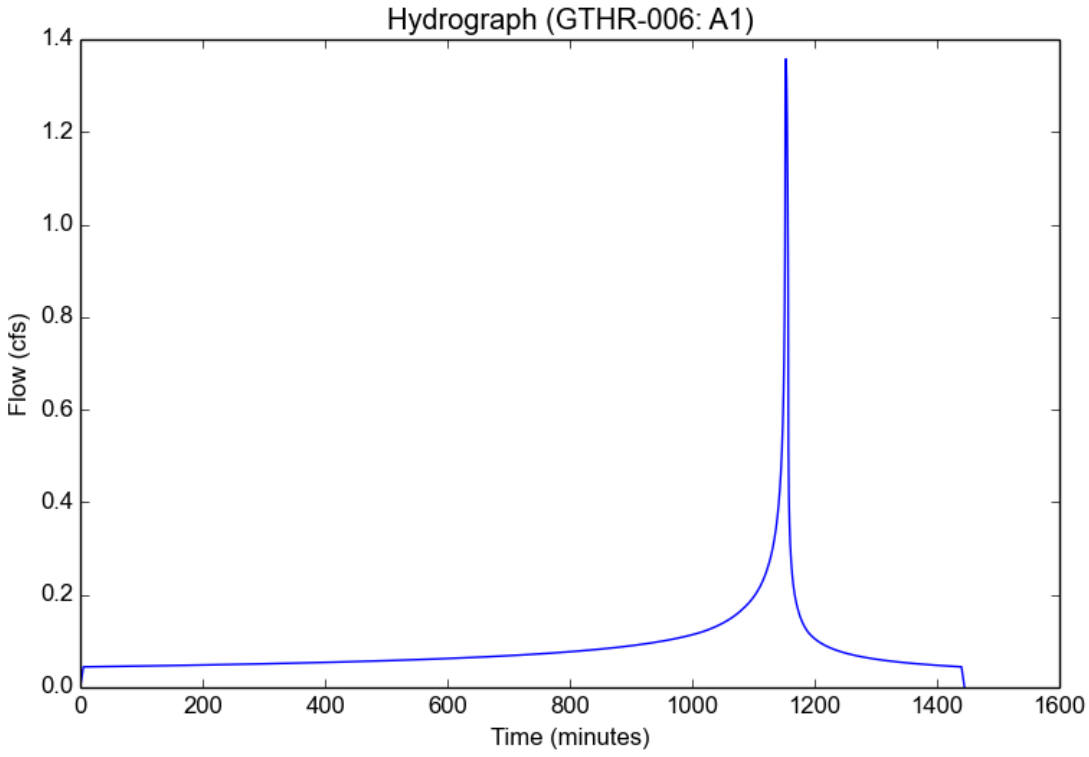
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A1
Area (ac)	0.412
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0081
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.3576
Burned Peak Flow Rate (cfs)	1.3576
24-Hr Clear Runoff Volume (ac-ft)	0.1691
24-Hr Clear Runoff Volume (cu-ft)	7366.7878



Peak Flow Hydrologic Analysis

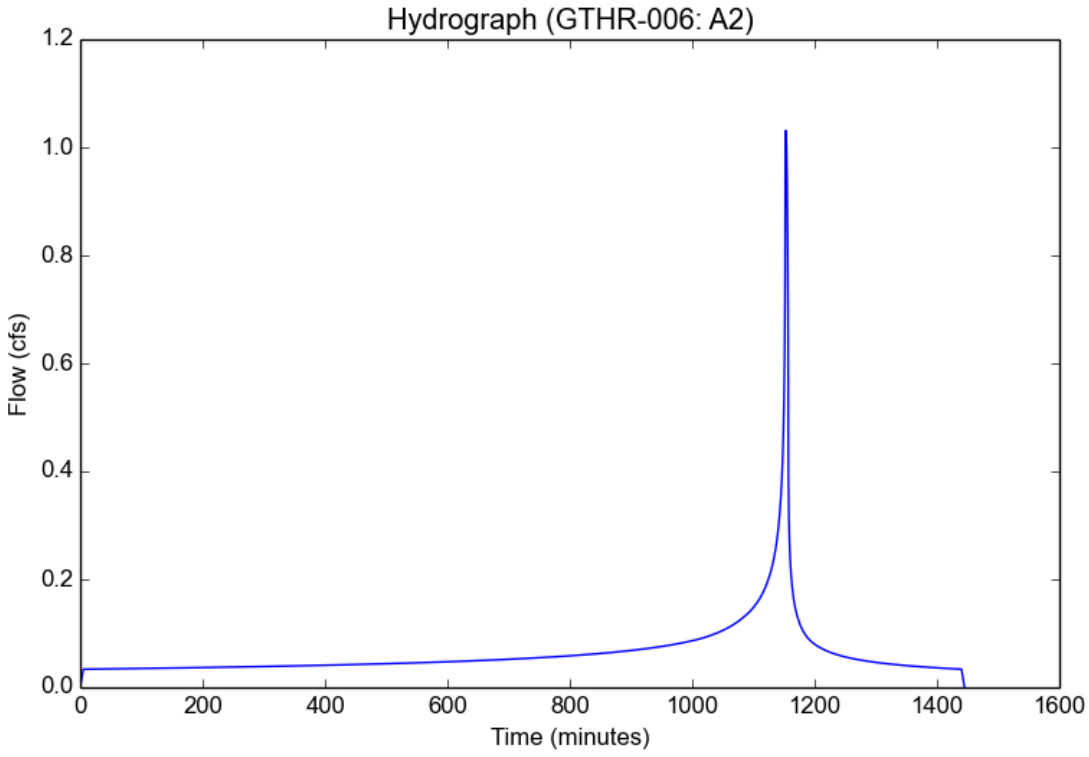
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A2
Area (ac)	0.313
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.0314
Burned Peak Flow Rate (cfs)	1.0314
24-Hr Clear Runoff Volume (ac-ft)	0.1285
24-Hr Clear Runoff Volume (cu-ft)	5596.6131



Peak Flow Hydrologic Analysis

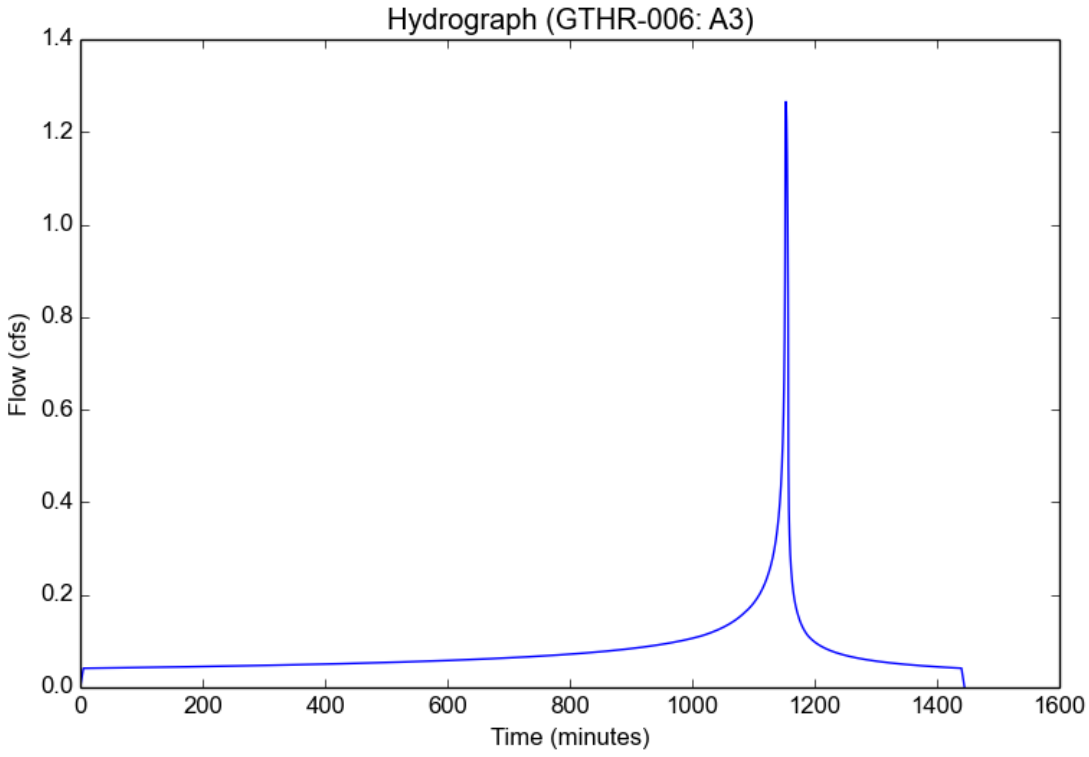
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A3
Area (ac)	0.384
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.2654
Burned Peak Flow Rate (cfs)	1.2654
24-Hr Clear Runoff Volume (ac-ft)	0.1576
24-Hr Clear Runoff Volume (cu-ft)	6866.1323



Peak Flow Hydrologic Analysis

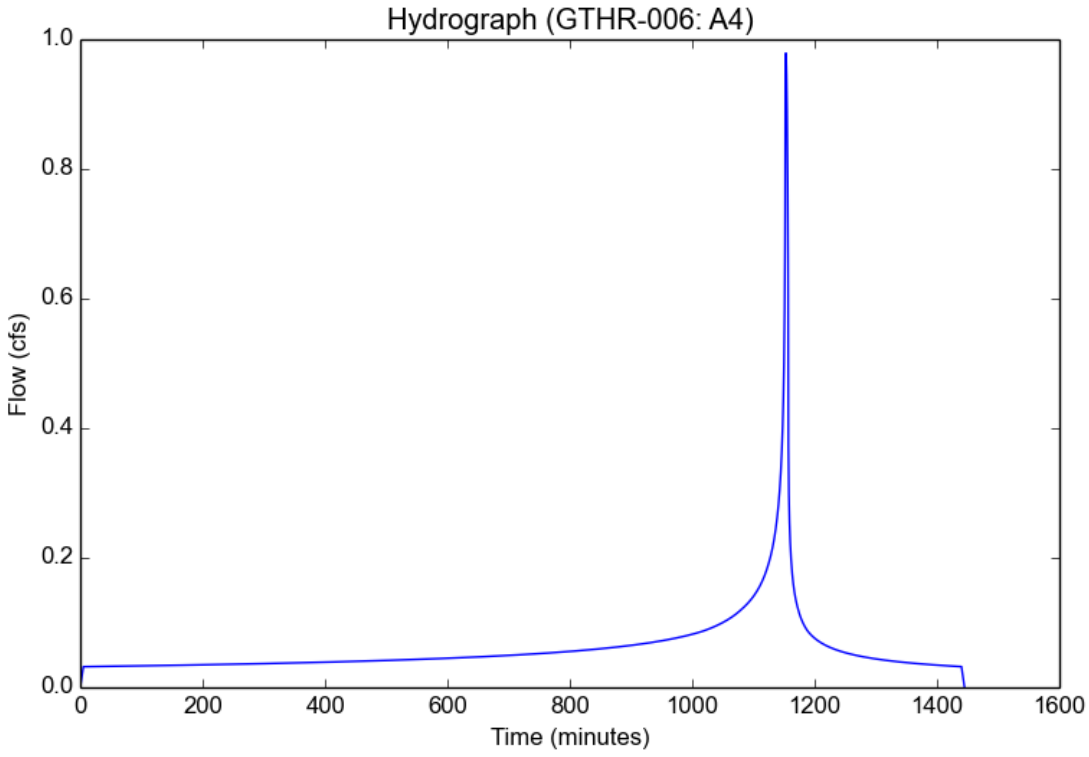
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A4
Area (ac)	0.297
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9787
Burned Peak Flow Rate (cfs)	0.9787
24-Hr Clear Runoff Volume (ac-ft)	0.1219
24-Hr Clear Runoff Volume (cu-ft)	5310.5242



Peak Flow Hydrologic Analysis

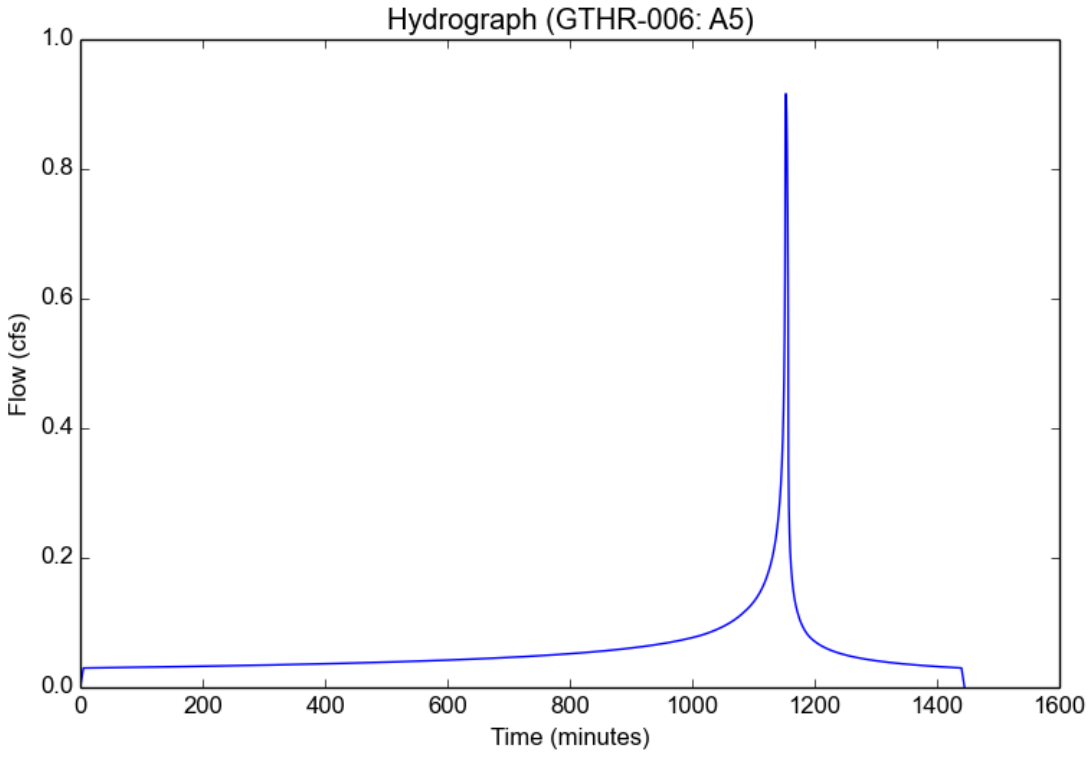
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A5
Area (ac)	0.278
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.011
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9161
Burned Peak Flow Rate (cfs)	0.9161
24-Hr Clear Runoff Volume (ac-ft)	0.1141
24-Hr Clear Runoff Volume (cu-ft)	4970.7937



Peak Flow Hydrologic Analysis

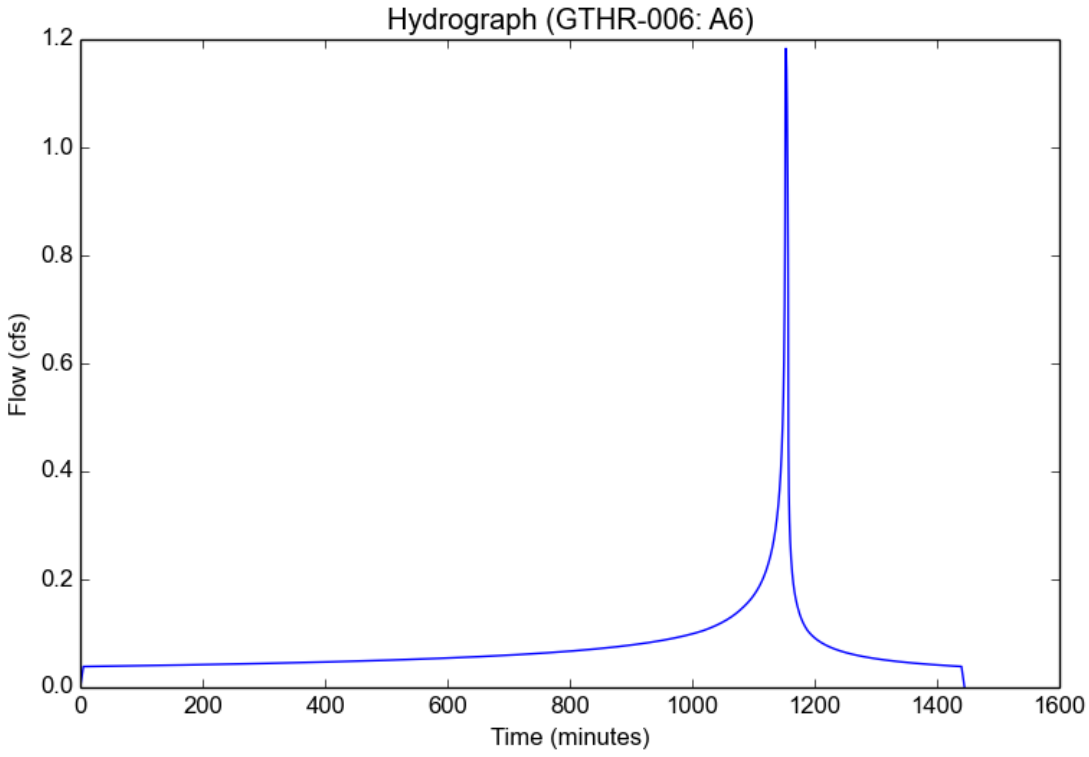
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A6
Area (ac)	0.359
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.183
Burned Peak Flow Rate (cfs)	1.183
24-Hr Clear Runoff Volume (ac-ft)	0.1474
24-Hr Clear Runoff Volume (cu-ft)	6419.1185



Peak Flow Hydrologic Analysis

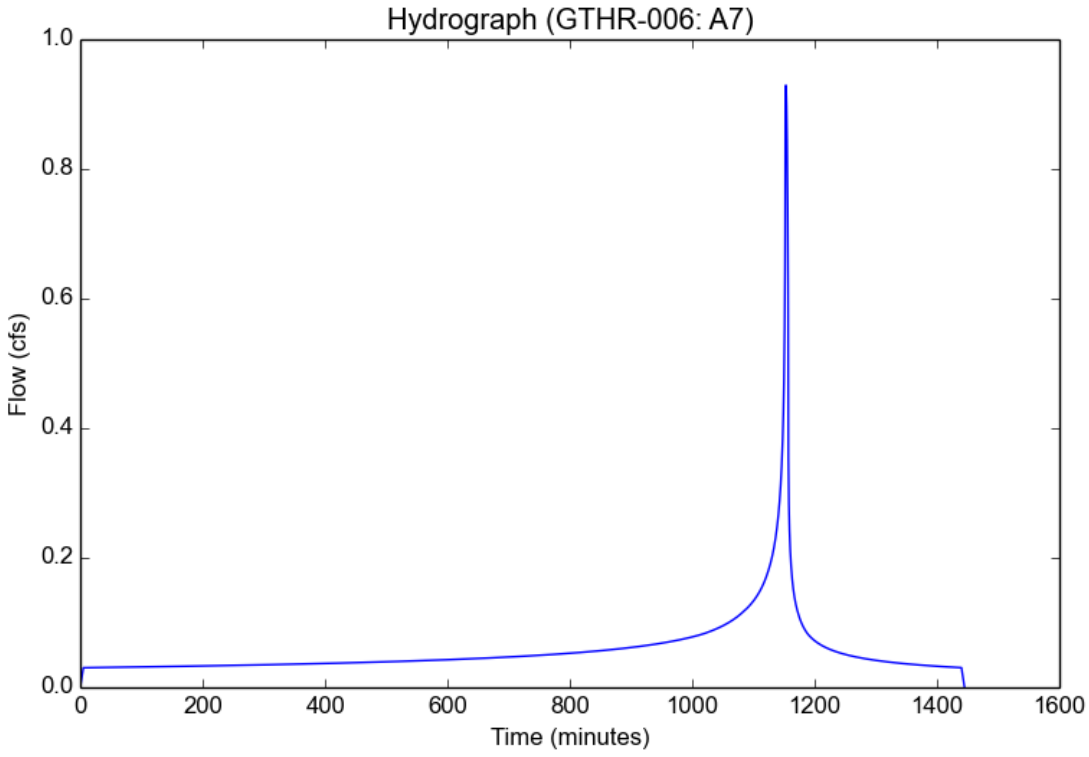
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A7
Area (ac)	0.282
Flow Path Length (ft)	92.0
Flow Path Slope (vft/hft)	0.0054
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9293
Burned Peak Flow Rate (cfs)	0.9293
24-Hr Clear Runoff Volume (ac-ft)	0.1158
24-Hr Clear Runoff Volume (cu-ft)	5042.3159



Peak Flow Hydrologic Analysis

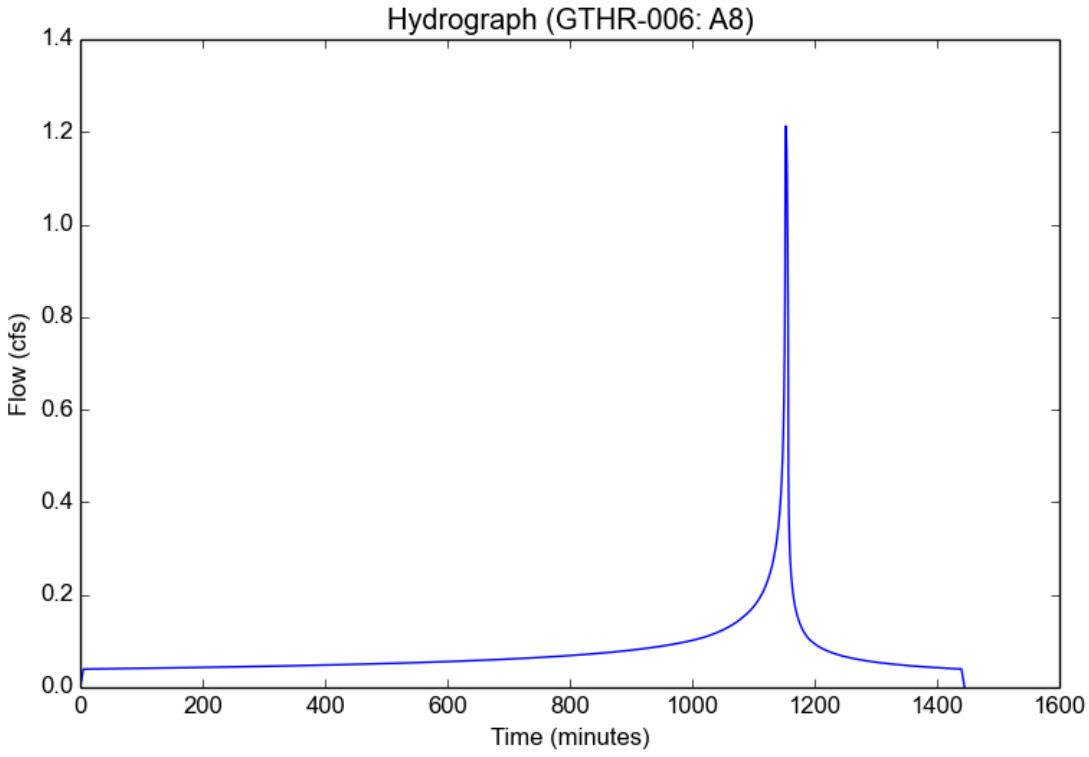
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A8
Area (ac)	0.368
Flow Path Length (ft)	138.0
Flow Path Slope (vft/hft)	0.0043
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.2126
Burned Peak Flow Rate (cfs)	1.2126
24-Hr Clear Runoff Volume (ac-ft)	0.1511
24-Hr Clear Runoff Volume (cu-ft)	6580.0435



Peak Flow Hydrologic Analysis

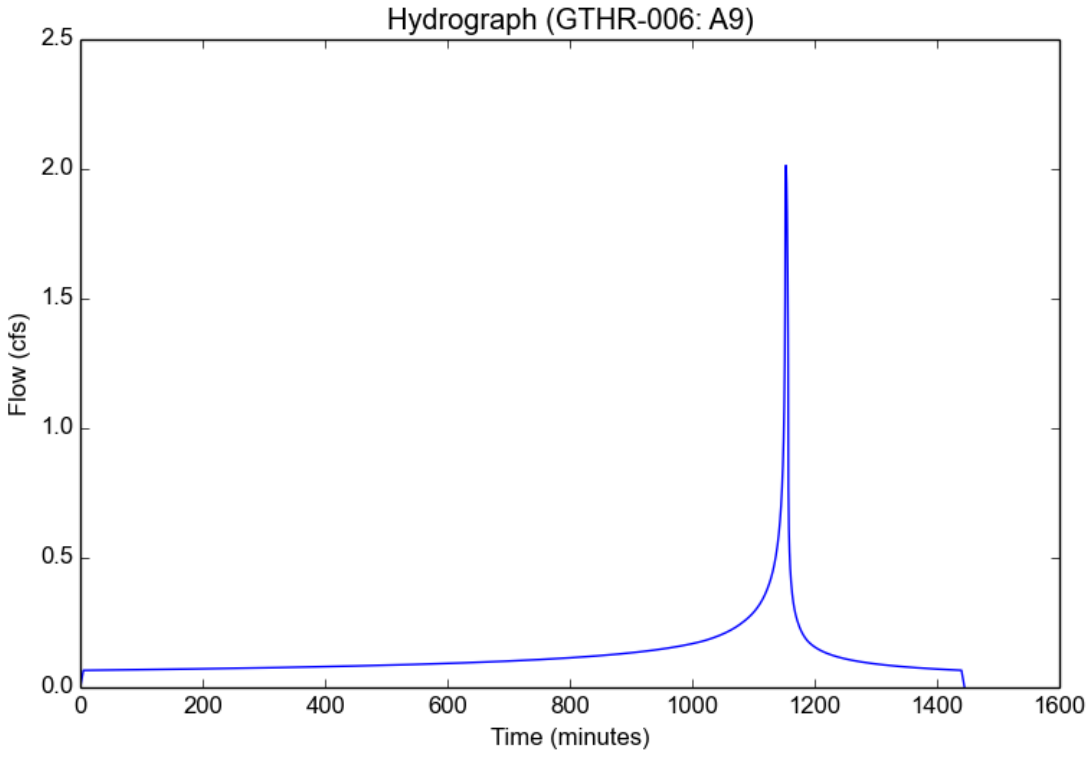
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A9
Area (ac)	0.611
Flow Path Length (ft)	236.0
Flow Path Slope (vft/hft)	0.0055
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.0134
Burned Peak Flow Rate (cfs)	2.0134
24-Hr Clear Runoff Volume (ac-ft)	0.2508
24-Hr Clear Runoff Volume (cu-ft)	10925.0178



Peak Flow Hydrologic Analysis

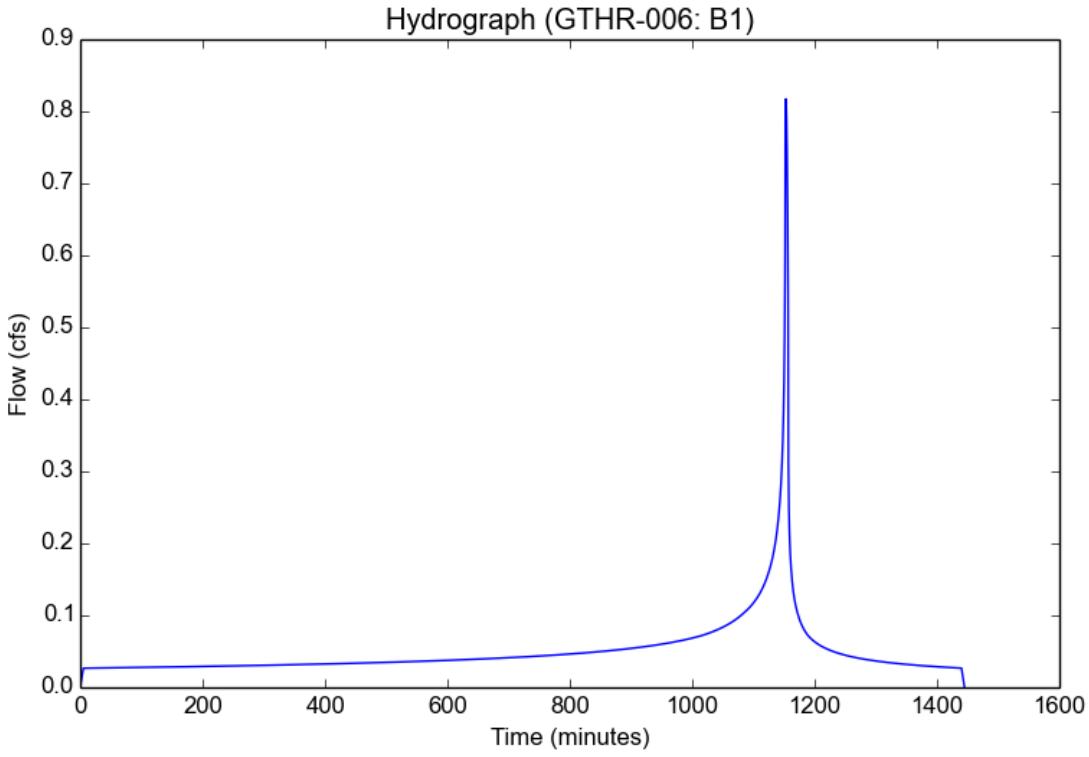
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	B1
Area (ac)	0.248
Flow Path Length (ft)	121.0
Flow Path Slope (vft/hft)	0.0149
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

Output Results

Modeled (100-yr) Rainfall Depth (in)	6.171
Peak Intensity (in/hr)	3.6818
Undeveloped Runoff Coefficient (Cu)	0.8643
Developed Runoff Coefficient (Cd)	0.895
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.8172
Burned Peak Flow Rate (cfs)	0.8172
24-Hr Clear Runoff Volume (ac-ft)	0.1018
24-Hr Clear Runoff Volume (cu-ft)	4434.3771



Peak Flow Hydrologic Analysis

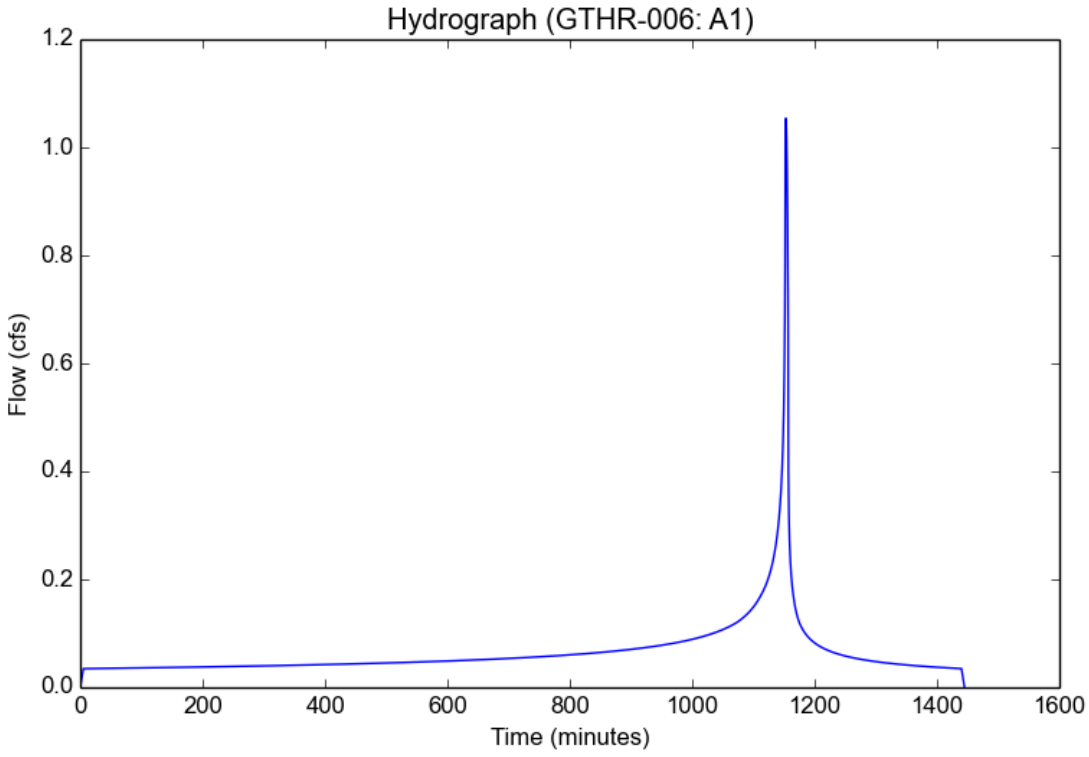
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A1
Area (ac)	0.412
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0081
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.054
Burned Peak Flow Rate (cfs)	1.054
24-Hr Clear Runoff Volume (ac-ft)	0.1317
24-Hr Clear Runoff Volume (cu-ft)	5734.8293



Peak Flow Hydrologic Analysis

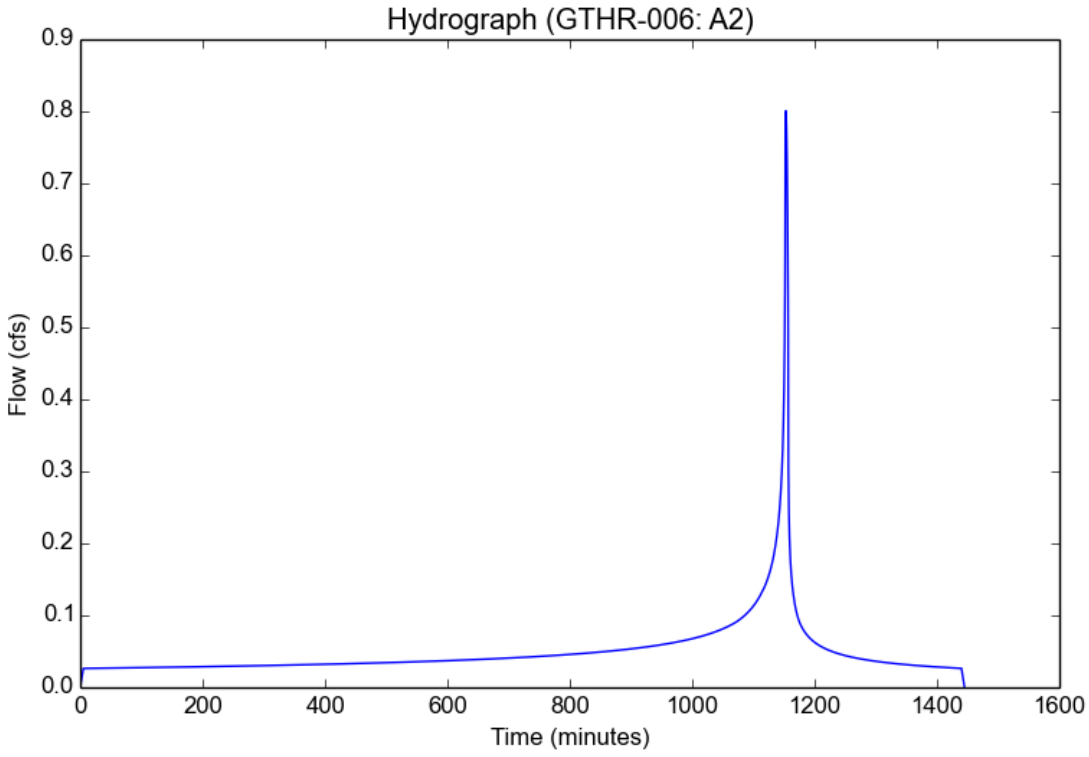
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A2
Area (ac)	0.313
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.8007
Burned Peak Flow Rate (cfs)	0.8007
24-Hr Clear Runoff Volume (ac-ft)	0.1
24-Hr Clear Runoff Volume (cu-ft)	4356.7999



Peak Flow Hydrologic Analysis

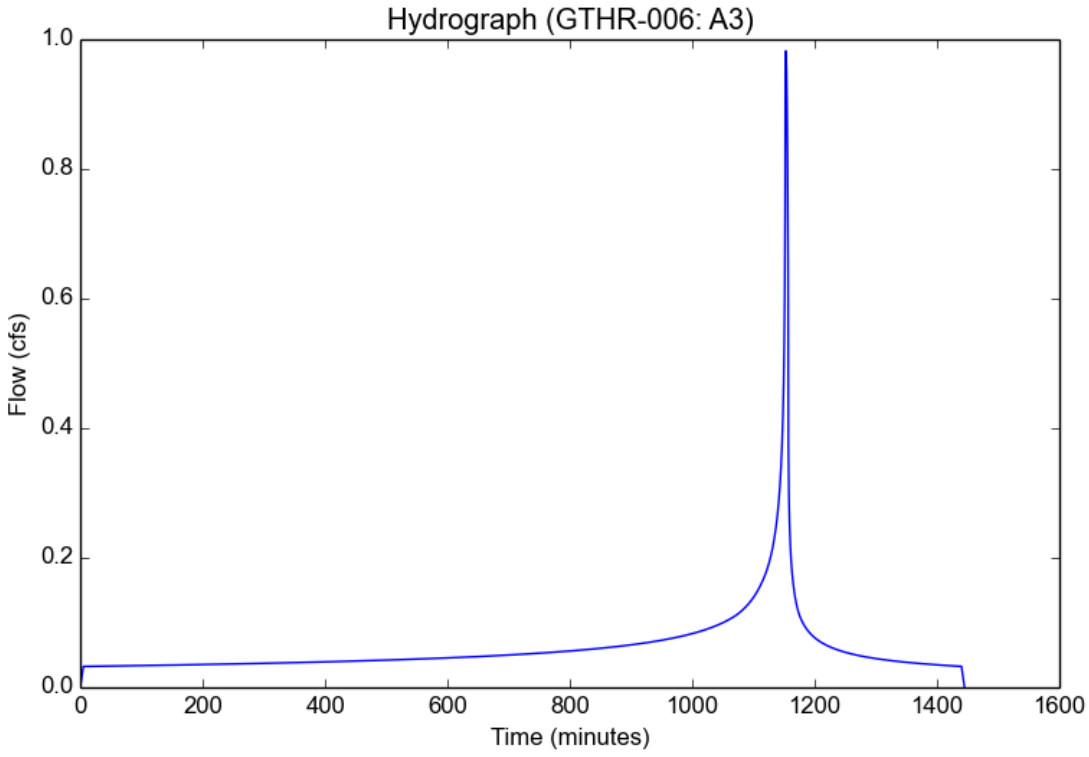
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A3
Area (ac)	0.384
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9824
Burned Peak Flow Rate (cfs)	0.9824
24-Hr Clear Runoff Volume (ac-ft)	0.1227
24-Hr Clear Runoff Volume (cu-ft)	5345.0836



Peak Flow Hydrologic Analysis

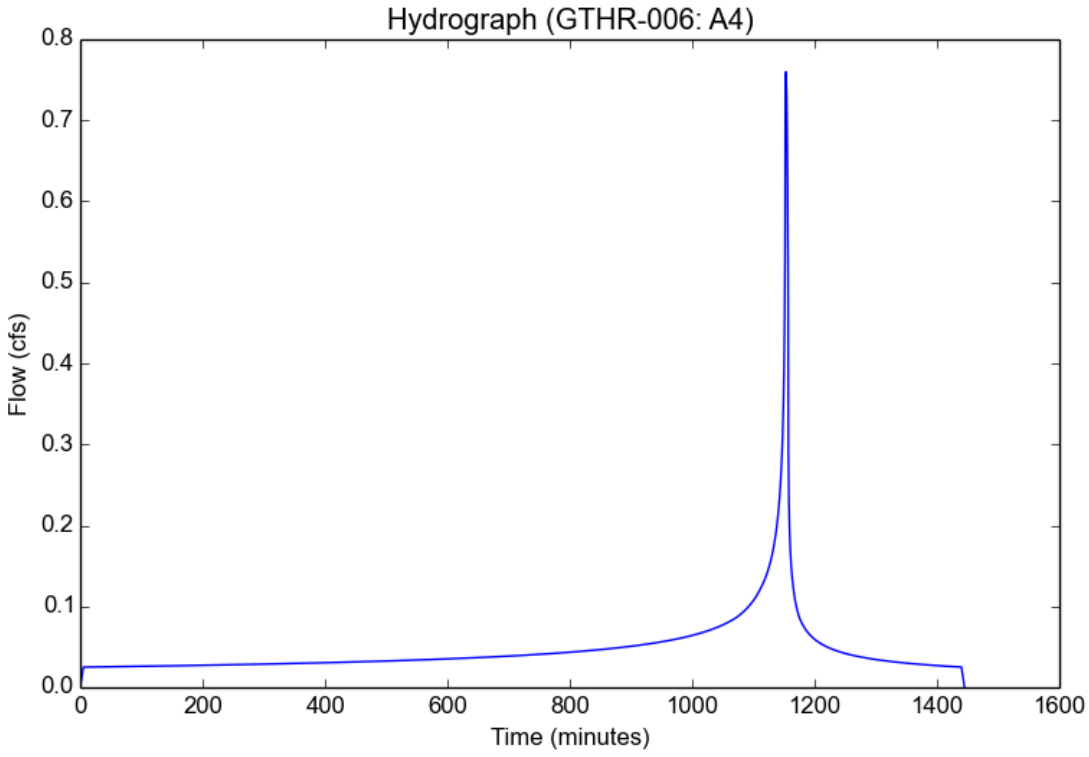
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A4
Area (ac)	0.297
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.0077
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7598
Burned Peak Flow Rate (cfs)	0.7598
24-Hr Clear Runoff Volume (ac-ft)	0.0949
24-Hr Clear Runoff Volume (cu-ft)	4134.0881



Peak Flow Hydrologic Analysis

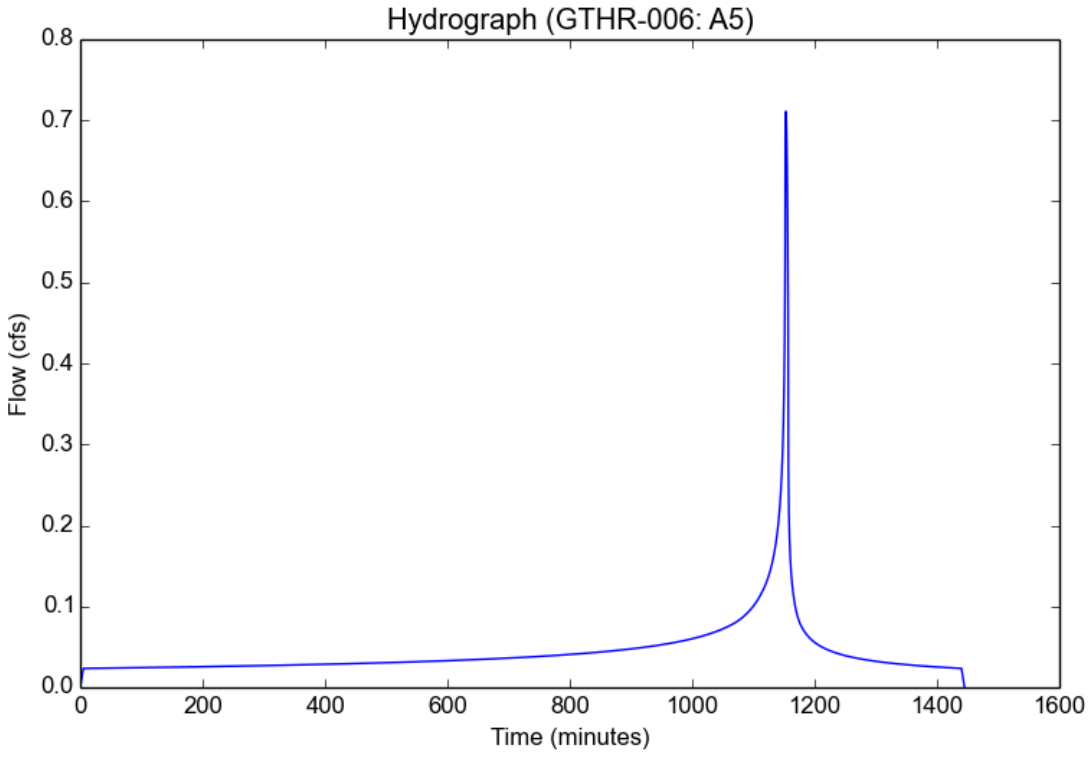
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A5
Area (ac)	0.278
Flow Path Length (ft)	91.0
Flow Path Slope (vft/hft)	0.011
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7112
Burned Peak Flow Rate (cfs)	0.7112
24-Hr Clear Runoff Volume (ac-ft)	0.0888
24-Hr Clear Runoff Volume (cu-ft)	3869.6178



Peak Flow Hydrologic Analysis

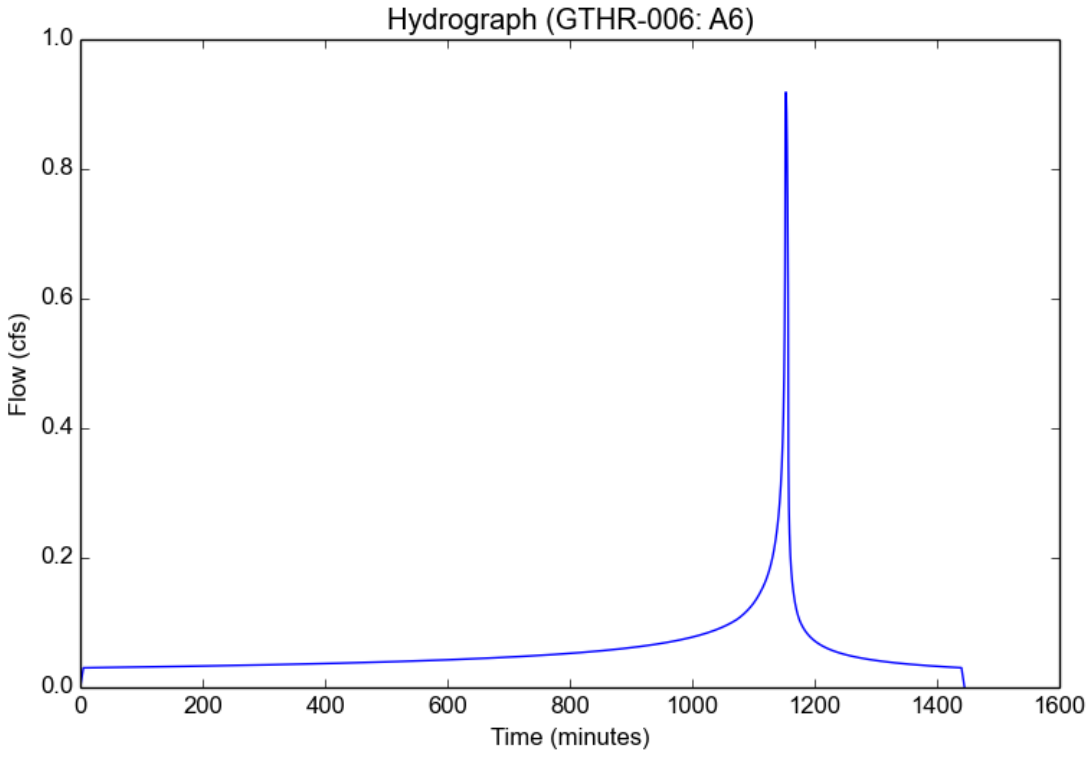
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A6
Area (ac)	0.359
Flow Path Length (ft)	123.0
Flow Path Slope (vft/hft)	0.0073
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9184
Burned Peak Flow Rate (cfs)	0.9184
24-Hr Clear Runoff Volume (ac-ft)	0.1147
24-Hr Clear Runoff Volume (cu-ft)	4997.0964



Peak Flow Hydrologic Analysis

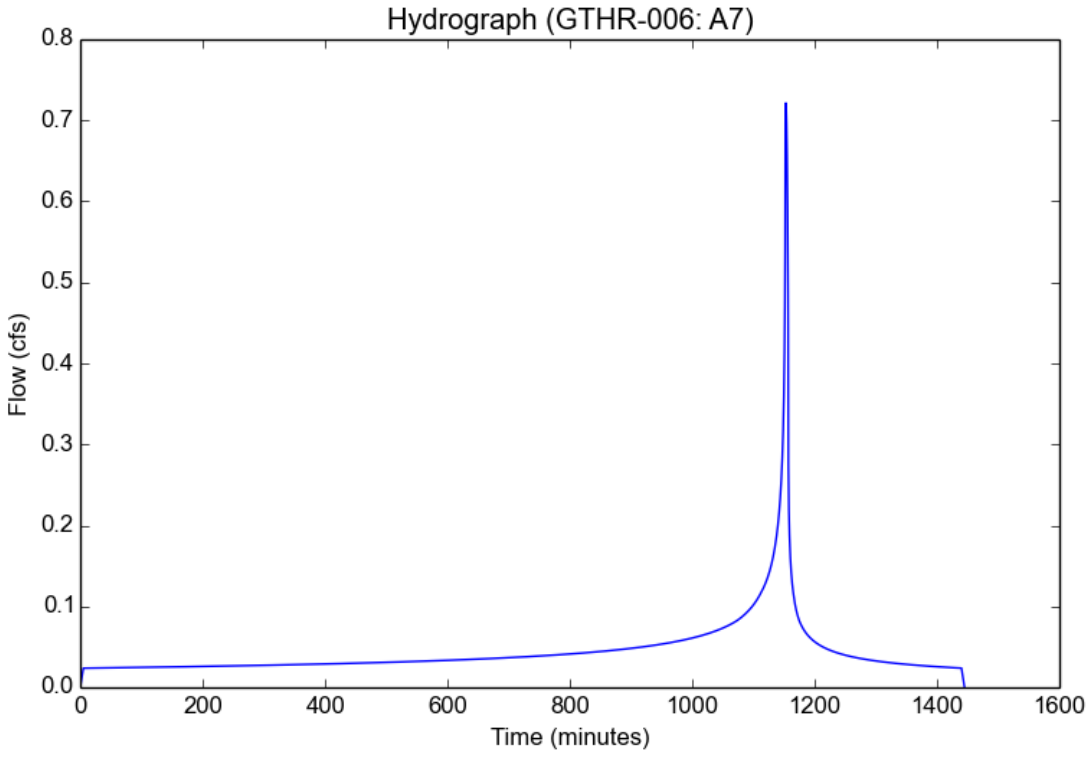
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A7
Area (ac)	0.282
Flow Path Length (ft)	92.0
Flow Path Slope (vft/hft)	0.0054
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7214
Burned Peak Flow Rate (cfs)	0.7214
24-Hr Clear Runoff Volume (ac-ft)	0.0901
24-Hr Clear Runoff Volume (cu-ft)	3925.2958



Peak Flow Hydrologic Analysis

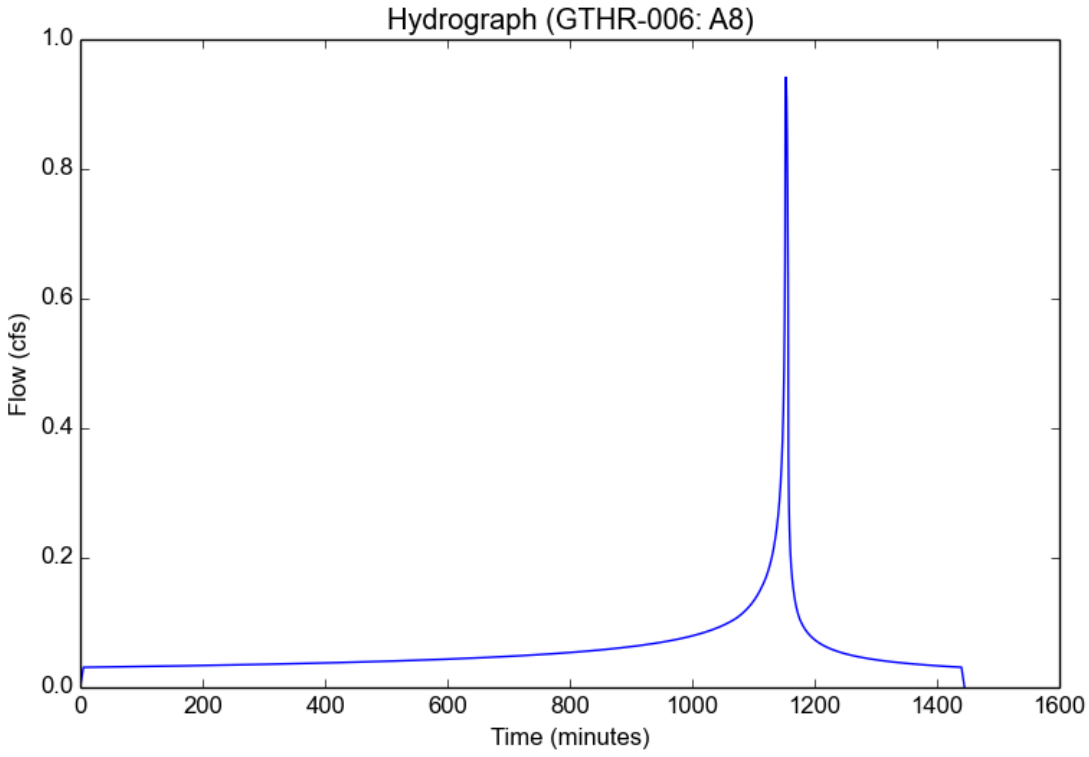
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A8
Area (ac)	0.368
Flow Path Length (ft)	138.0
Flow Path Slope (vft/hft)	0.0043
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9414
Burned Peak Flow Rate (cfs)	0.9414
24-Hr Clear Runoff Volume (ac-ft)	0.1176
24-Hr Clear Runoff Volume (cu-ft)	5122.3718



Peak Flow Hydrologic Analysis

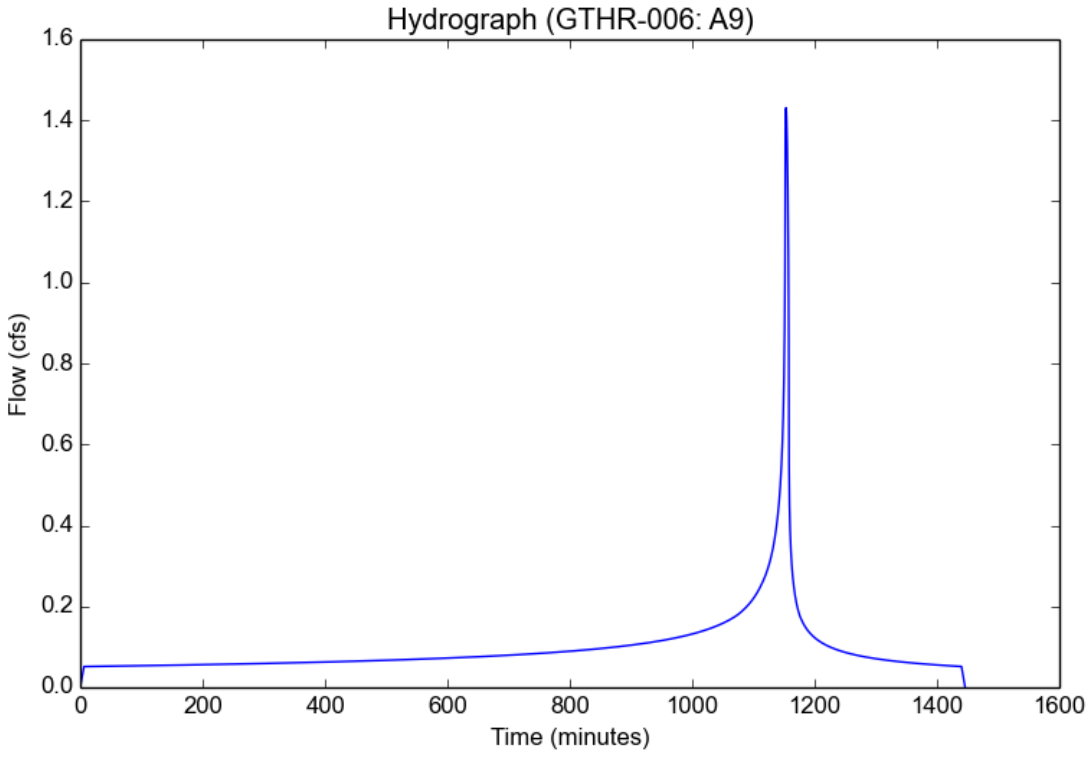
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A9
Area (ac)	0.611
Flow Path Length (ft)	236.0
Flow Path Slope (vft/hft)	0.0055
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.6445
Undeveloped Runoff Coefficient (Cu)	0.7973
Developed Runoff Coefficient (Cd)	0.8856
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	1.431
Burned Peak Flow Rate (cfs)	1.431
24-Hr Clear Runoff Volume (ac-ft)	0.1952
24-Hr Clear Runoff Volume (cu-ft)	8504.4114



Peak Flow Hydrologic Analysis

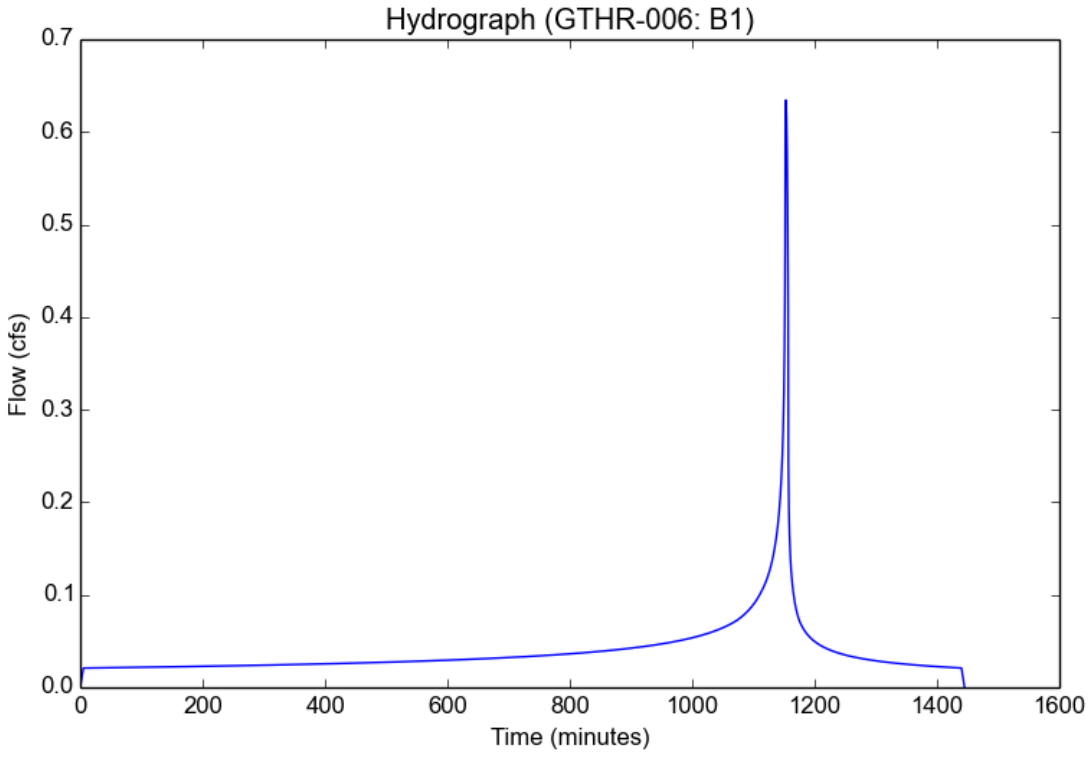
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	B1
Area (ac)	0.248
Flow Path Length (ft)	121.0
Flow Path Slope (vft/hft)	0.0149
50-yr Rainfall Depth (in)	5.5
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	4.829
Peak Intensity (in/hr)	2.8811
Undeveloped Runoff Coefficient (Cu)	0.8139
Developed Runoff Coefficient (Cd)	0.888
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.6345
Burned Peak Flow Rate (cfs)	0.6345
24-Hr Clear Runoff Volume (ac-ft)	0.0792
24-Hr Clear Runoff Volume (cu-ft)	3452.0332



APPENDIX C

Water Quality Retention Sizing Analysis Summary

Peak Flow Hydrologic Analysis

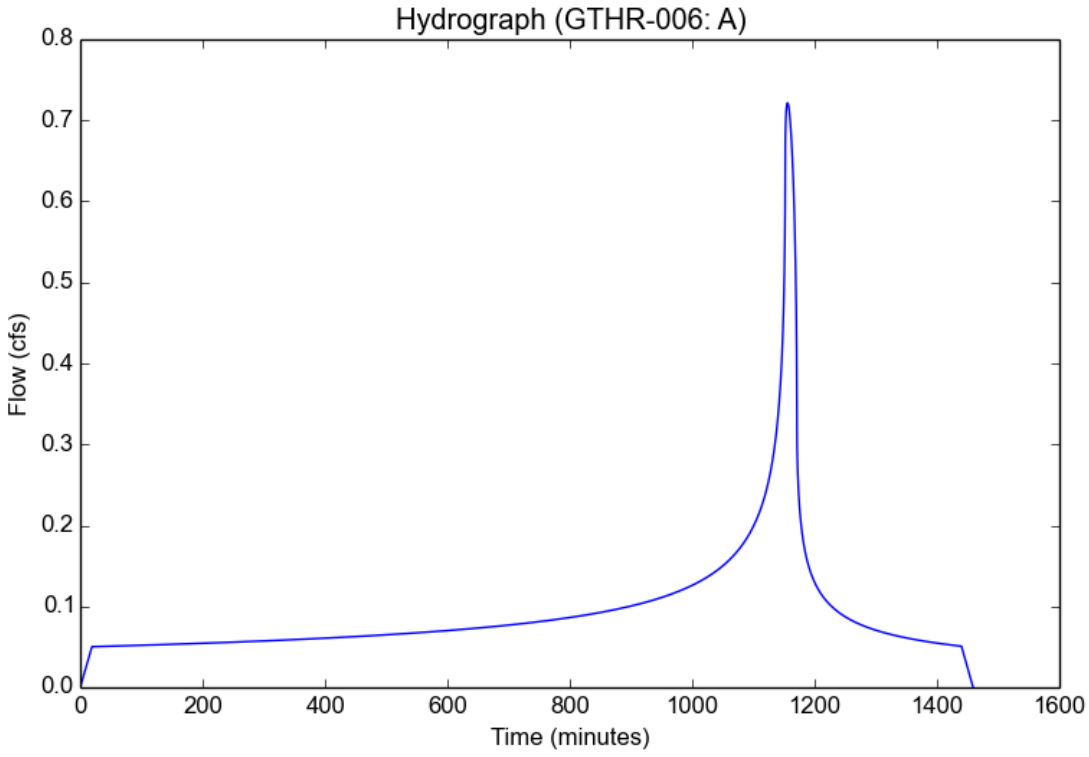
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A
Area (ac)	3.304
Flow Path Length (ft)	225.0
Flow Path Slope (vft/hft)	0.0049
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.7216
Burned Peak Flow Rate (cfs)	0.7216
24-Hr Clear Runoff Volume (ac-ft)	0.1872
24-Hr Clear Runoff Volume (cu-ft)	8154.3621



Peak Flow Hydrologic Analysis

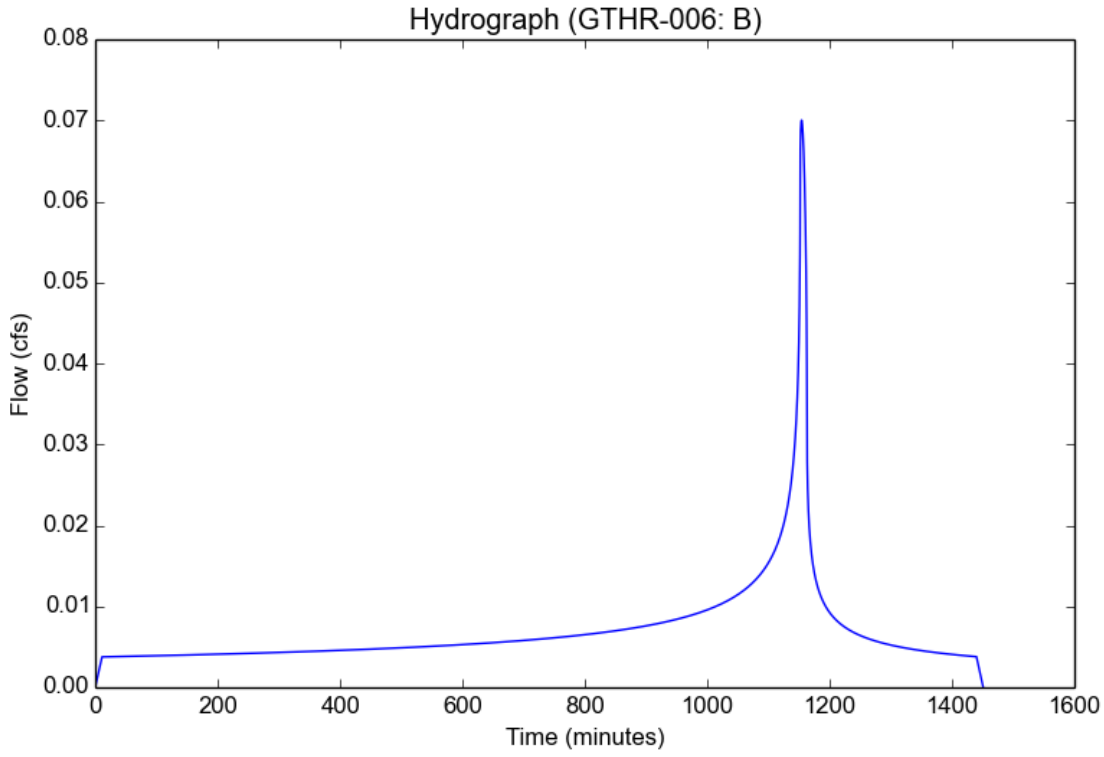
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	B
Area (ac)	0.248
Flow Path Length (ft)	121.0
Flow Path Slope (vft/hft)	0.0149
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.3583
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	11.0
Clear Peak Flow Rate (cfs)	0.07
Burned Peak Flow Rate (cfs)	0.07
24-Hr Clear Runoff Volume (ac-ft)	0.0141
24-Hr Clear Runoff Volume (cu-ft)	612.0689



STORM WATER COLLECTION AND TREATMENT SYSTEM

11709 Artesia Blvd. City of Artesia, County of Los Angeles, CA

12,712.8 cu ft

SPECIFICATION FOR CISTERN SYSTEM

THIS DOCUMENT WILL GOVERN THE FURNISHING AND INSTALLATION OF ALUMINIZED CORRUGATED METAL PIPE CISTERNS FOR UNDERGROUND WATER STORAGE FOR NOMINAL DIAMETERS 12" (300MM) THROUGH 120" (3000MM).

THE MANUFACTURER OF THE CISTERN SYSTEM SHALL BE ONE THAT HAS REGULARLY BEEN ENGAGED IN THE ENGINEERING DESIGN AND PRODUCTION OF THESE SYSTEMS AND WHICH HAS A HISTORY OF SUCCESSFUL PRODUCTION, ACCEPTABLE TO THE ENGINEER OF RECORD (EOR). IN ACCORDANCE WITH THE DRAWINGS, THE CISTERN SYSTEM SHALL BE SUPPLIED BY: SANTA FE WATER SYSTEMS, 10244 FREEMAN AVE, SANTA FE SPRINGS, CA 90670.
TEL: 1-562-777-9724

SAMPLING, TESTING, AND INSPECTION OF MATERIALS USED FOR MANUFACTURING OF THE CISTERN SYSTEM SHALL BE IN ACCORDANCE WITH APPLICABLE ASTM SPECIFICATIONS. ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES UNLESS OTHERWISE NOTED.

THE CISTERN SHALL BE CAPABLE OF INSTALLATION IN SOIL WITH A pH RANGE OF 5 TO 9. FOR SOIL pH OUTSIDE THE RANGE OF 5 TO 9, CONSULT WITH SPECIFYING ENGINEER PRIOR TO ORDERING TO DETERMINE IF ADDITIONAL CISTERN COATING SYSTEM NEED BE CONSIDERED.

THE HYDRAULIC SYSTEM SHALL BE PRE-ASSEMBLED AND TESTED AT FACTORY PRIOR TO SHIPMENT. INSPECTION AND TESTING PROTOCOLS SHALL BE DECIDED BY THE SPECIFYING ENGINEER ACCORDING TO SYSTEM REQUIREMENTS. A COPY OF THE TEST REPORT MUST BE PROVIDED TO THE ENGINEER OF RECORD IF REQUESTED.

UPON REQUEST, THE CISTERN SYSTEM INLETS SHALL BE EQUIPPED WITH AN INLET CALMING DEVICE TO ALLOW INTRODUCTION OF WATER TO THE TANK WITH LITTLE TO NO TURBULENCE.

THE CISTERN SYSTEM SHALL BE FITTED WITH A MIN. 4" OUTLET OR PERFORATED MANHOLE COVERS FOR VENTING, DEPENDANT UPON SITE CONDITIONS AND DIRECTION BY SPECIFYING ENGINEER. OVERFLOW PIPE SHALL BE PROVIDED UPON REQUEST BY SPECIFYING ENGINEER.

SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.

ACCESS COVERS SHALL BE A MINIMUM OF 24-INCH DIAMETER TO PROVIDE ADEQUATE INSPECTION AND MAINTENANCE WITHOUT RESTRICTIONS AND OBSTRUCTIONS TO ENTRY INTO INTERIOR OF THE CISTERN. COVERS SHALL BE WATERTIGHT, DO NOT SLIDE, ROTATE, OR FLIP OPEN AND ARE CAPABLE OF SUPPORTING DESIGN LOADS.

PRIOR TO SHIPMENT, CISTERN SYSTEM MAY BE INSPECTED AT FACTORY BY OWNER'S AUTHORIZED REPRESENTATIVE UPON REQUEST.

INSTALLATION

THE CONTRACTOR SHALL FOLLOW OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION (OSHA) GUIDELINES FOR SAFE PRACTICES IN EXECUTING THE INSTALLATION PROCESS IN ACCORDANCE WITH THE MANUFACTURER/SUPPLIER INSTALLATION RECOMMENDATIONS.

A NON-WOVEN GEOTEXTILE FILTER FABRIC IS RECOMMENDED TO BE INSTALLED IN EXCAVATION, OR OTHER MEASURES SHOULD BE TAKEN, TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE INITIAL BACKFILL MATERIAL, WHEN REQUIRED BY THE GEOTECHNICAL ENGINEER OR E.O.R.

TRENCH BOTTOM (FOUNDATION) WITH UNSTABLE OR UNYIELDING MATERIAL SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNSTABLE MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE TRENCH BOTTOM, IF DIRECTED BY THE ENGINEER.

SUITABLE BEDDING MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321.
MINIMUM BEDDING THICKNESS SHALL BE 4" (100 mm) AS MEASURED FROM OUTER PIPE DIAMETER.

INITIAL BACKFILL MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321. COMPACTION AND BACKFILL LIFTS SHALL BE IN ACCORDANCE WITH ASTM D2321. INITIAL BACKFILL SHALL EXTEND TO NOT LESS THAN 6" (150 mm) ABOVE THE TOP OF THE CISTERN.

MINIMUM COVER FOR UP TO H-25 TRAFFIC APPLICATIONS:
- 12" FOR PIPE DIAMETER UP TO 96" DIAMETER
- 18" FOR DIAMETER OVER 96".

MINIMUM COVER SHALL BE MEASURED FROM THE TOP OF THE PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO THE TOP OF RIGID PAVEMENT. ADDITIONAL COVER MAY BE REQUIRED FOR CONSTRUCTION LOADS, FOR VEHICLES OVER 75T (68 metric tons) OR TO PREVENT FLOATATION.

FINAL BACKFILL MATERIAL SHALL BE SUITABLE MATERIALS AS DIRECTED BY THE ENGINEER OR AS INDICATED BY MANUFACTURER. FOR AREAS SUBJECTED TO HEAVY TRAFFIC LOADING, A HIGHER DEGREE OF COMPACTION IS NECESSARY AND A SEPARATION LAYER OF NON-WOVEN GEOTEXTILE MAY BE REQUIRED. COMPACTION LEVELS AND/OR GEOTEXTILE MAY BE SPECIFIED AT THE DISCRETION OF THE DESIGN ENGINEER OR MANUFACTURER'S REPRESENTATIVE.

CONSULT THE INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

GENERAL NOTES

STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER. ALL COMPONENTS OF THE STORM WATER MANAGEMENT SYSTEM SHALL BE DESIGNED AND SUPPLIED BY SANTA FE WATER SYSTEMS (SFWS), EXCEPT WHERE NOTED. ANY DEVIATION, OMISSION OR SUBSTITUTION SHALL VOID TWO-YEAR WARRANTY. TWO-YEAR WARRANTY SHALL COVER THE COMPLETE SYSTEM ACCORDING TO THE PERFORMANCE PARAMETERS INDICATED ON THE DRAWING SET AS ENGINEERED BY SFWS, WHEN INSTALLED IN ACCORDANCE WITH THE SFWS DESIGN. THE WARRANTY INCLUDES ALL PARTS AND LABOR OF SHOP ASSEMBLED ITEMS AND EXCLUDES INSTALLATION OF COMPONENTS BY CONTRACTOR UNLESS OTHERWISE NOTED ON PLANS. WARRANTY COVERAGE REQUIRES REGULAR DOCUMENTED MAINTENANCE OF THE FULL SYSTEM PERFORMED BY THE OWNER OR AUTHORIZED MAINTENANCE CONTRACTOR.

PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR TO REVIEW MANUFACTURER'S INSTALLATION GUIDE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROJECT ENGINEER TO ENSURE THAT ALL QUESTIONS ABOUT INSTALLATION ARE ADDRESSED PRIOR TO APPROVAL OF SYSTEM. ALL DETAILS FOR INSTALLATION ARE LOCATED IN THIS DRAWING PACKAGE, OR UPON REQUEST TO PIPING MANUFACTURER. ANY QUESTIONS CONCERNING THESE STANDARD DETAILS CAN BE ADDRESSED BY THE CISTERN MANUFACTURER'S REPRESENTATIVE PRIOR TO APPROVAL.

ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.

PRIOR TO INSTALLATION OF THE SYSTEM, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.

CONTRACTOR(S) SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE CISTERN SYSTEM, APPURTENANCES AND INCIDENTALS IN ACCORDANCE WITH THE DRAWINGS AND AS SPECIFIED HEREIN.

A STORM WATER TREATMENT DEVICE UPSTREAM OF THE CISTERN SYSTEM IS RECOMMENDED AS THE APPROPRIATE MEANS OF PRETREATING TO EXTEND THE MAINTENANCE INTERVAL ON THE SYSTEM AND REDUCE LIFE CYCLE COSTS. BOTH ENGINEERED SOLUTIONS SHALL BE PROVIDED BY A SINGLE SUPPLIER/MANUFACTURER.

PRIOR TO SYSTEM START UP, ANY ACCUMULATED WATER AND DEBRIS SHALL BE REMOVED FROM THE CISTERN TANK(S) AND ANY ACCOMPANYING TREATMENT SYSTEMS AND PUMP VAULTS.

BELOW GRADE SYSTEM MARKING TAPE, IF REQUIRED BY LOCAL ORDINANCE, CAN BE SUPPLIED UPON REQUEST. CONTACT SFWS WITH REQUIREMENT DETAILS.

Santa Fe Water Systems
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.SFWSystems.com

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF **SANTA FE WATER SYSTEMS**. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SANTA FE WATER SYSTEMS IS PROHIBITED.

	NAME	DATE
DRAWN	SRG	5/16/2023
CHECKED	MDF	5/16/2023
ENG APPR.	CKL	5/16/2023
REV		

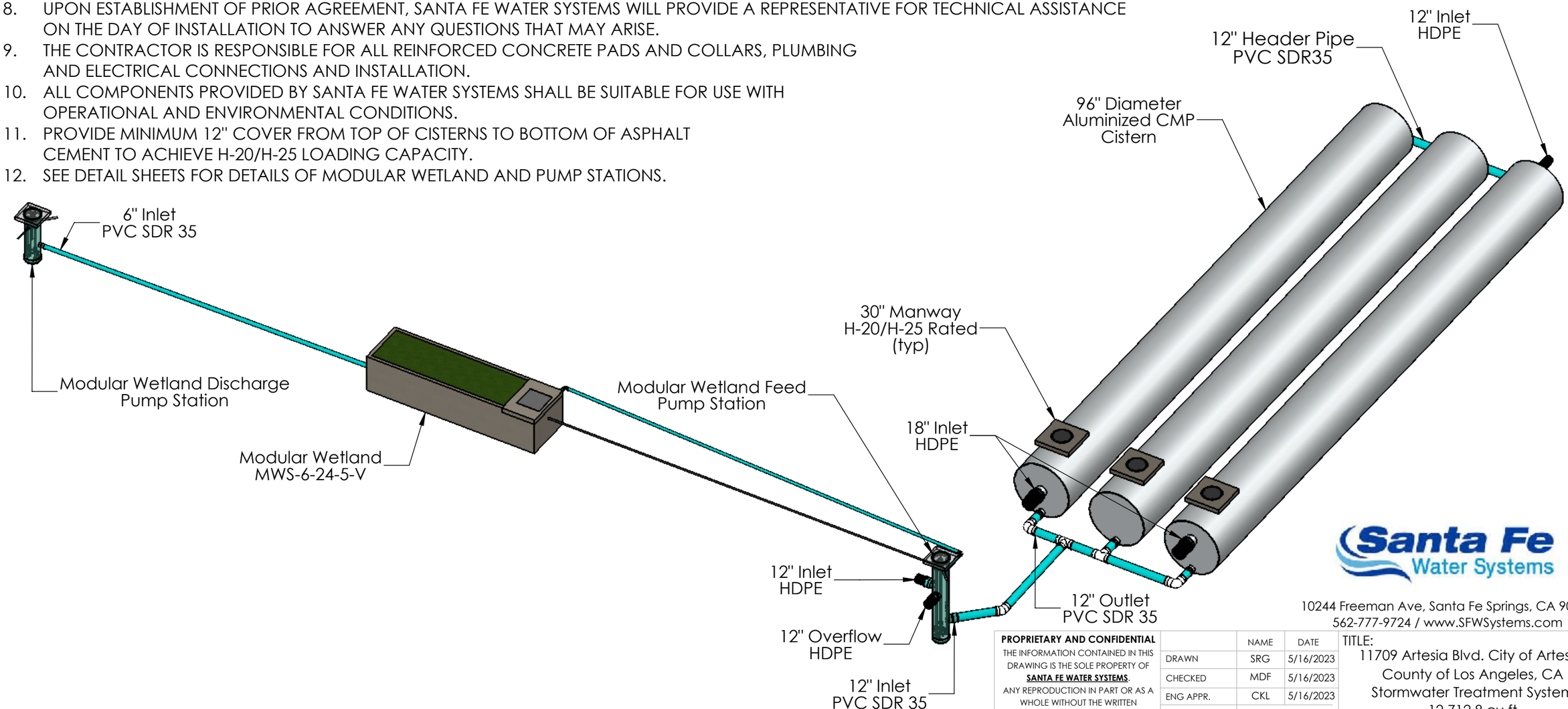
TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE **B** | SHEET 1 OF 7

NOTES:

1. STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER
2. ALL COMPONENTS OF THE STORM WATER MANAGEMENT SYSTEM SHALL BE DESIGNED AND SUPPLIED BY SANTA FE WATER SYSTEMS (SFWS), EXCEPT WHERE NOTED. ANY DEVIATION, OMISSION OR SUBSTITUTION SHALL VOID TWO-YEAR WARRANTY.
3. MODULAR WETLAND TO BE MODEL MWS-6-24-5-V, MANUFACTURED BY BIOCLEAN ENVIRONMENTAL SERVICES, INC. AND SUPPLIED BY SANTA FE WATER SYSTEMS.
4. STORAGE SYSTEM TO BE 96" ALUMINIZED CMP AS SUPPLIED BY SANTA FE WATER SYSTEMS.
5. SEE CIVIL SHEETS FOR UNIT LOCATIONS.
6. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE NOMINAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE ON-SITE CONTRACTOR OR CUSTOMER TO VERIFY THE ACCURACY OF ANY CRITICAL DIMENSIONS OR ELEVATIONS PRIOR TO SETTING OR INSTALLING ANY EQUIPMENT.
7. ALL MATERIALS SHALL BE DELIVERED TO THE SITE AFTER EXCAVATIONS HAVE BEEN EXCAVATED AND SHORED. THE CONTRACTOR SHALL SUPPLY A CRANE OF SUFFICIENT SIZE TO LOWER ALL PIECES INTO THE HOLE SAFELY. THE CONTRACTOR SHALL INSTALL ALL ITEMS.
8. UPON ESTABLISHMENT OF PRIOR AGREEMENT, SANTA FE WATER SYSTEMS WILL PROVIDE A REPRESENTATIVE FOR TECHNICAL ASSISTANCE ON THE DAY OF INSTALLATION TO ANSWER ANY QUESTIONS THAT MAY ARISE.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL REINFORCED CONCRETE PADS AND COLLARS, PLUMBING AND ELECTRICAL CONNECTIONS AND INSTALLATION.
10. ALL COMPONENTS PROVIDED BY SANTA FE WATER SYSTEMS SHALL BE SUITABLE FOR USE WITH OPERATIONAL AND ENVIRONMENTAL CONDITIONS.
11. PROVIDE MINIMUM 12" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CEMENT TO ACHIEVE H-20/H-25 LOADING CAPACITY.
12. SEE DETAIL SHEETS FOR DETAILS OF MODULAR WETLAND AND PUMP STATIONS.

Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer. All components of the Storm Water Management System shall be designed and supplied by Santa Fe Water Systems (SFWS), except where noted. Any deviation, omission or substitution shall void two-year warranty. Two-year warranty shall cover the complete system according to the performance parameters indicated on the drawing set as engineered by SFWS, when installed in accordance with the SFWS design. The Warranty includes all parts and labor of shop assembled items and excludes installation of components by Contractor unless otherwise noted on plans. Warranty coverage requires regular documented maintenance of the full system performed by the owner or authorized maintenance contractor.



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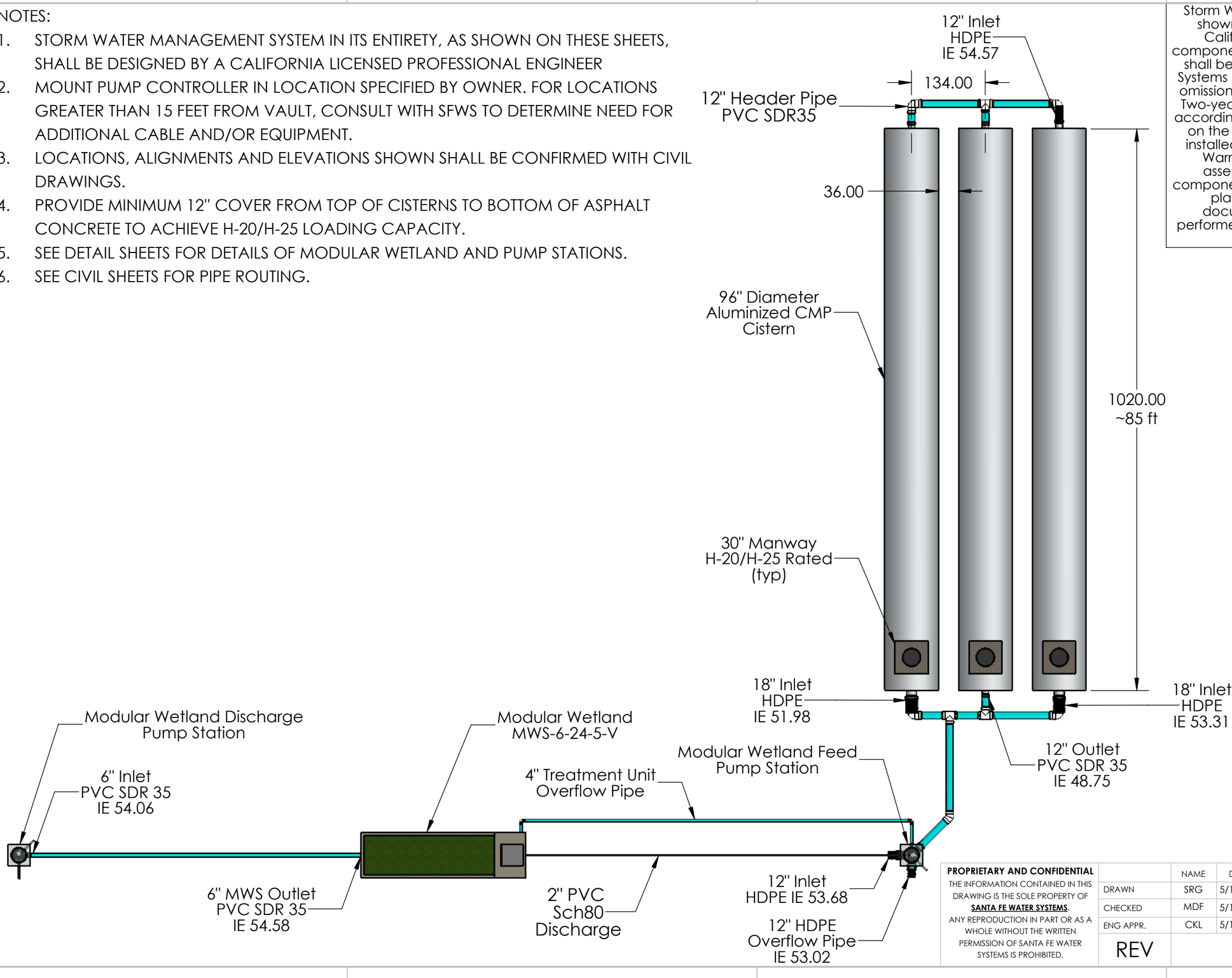
CHECKED	MDF	5/16/2023
ENG APPR.	CKL	5/16/2023
REV		

TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE **B** | SHEET 2 OF 7

NOTES:

1. STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER
2. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWS TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
3. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
4. PROVIDE MINIMUM 12" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CONCRETE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
5. SEE DETAIL SHEETS FOR DETAILS OF MODULAR WETLAND AND PUMP STATIONS.
6. SEE CIVIL SHEETS FOR PIPE ROUTING.



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ENG APPR.	CKL	5/16/2023
REV		

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562-777-9724 / www.SFWSystems.com

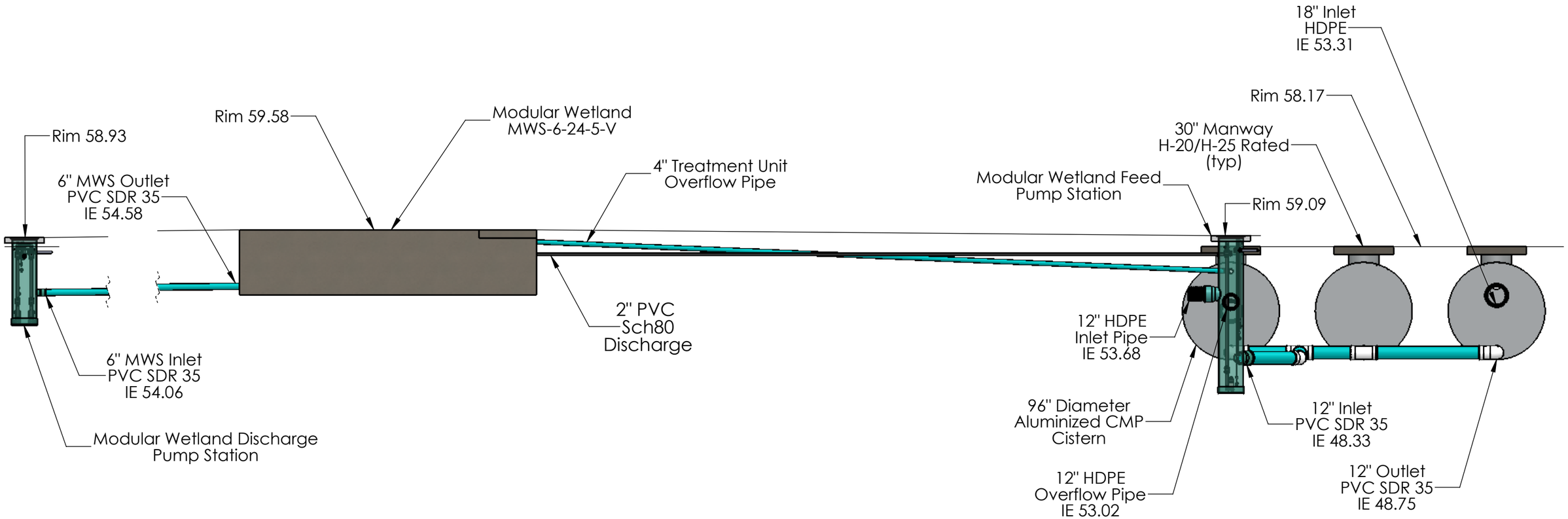
TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE B

NOTES:

1. STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER
2. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWS TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
3. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
4. PROVIDE MINIMUM 12" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CONCRETE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
5. SEE DETAIL SHEETS FOR DETAILS OF MODULAR WETLAND AND PUMP STATIONS.
6. SEE CIVIL SHEETS FOR PIPE ROUTING.

Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer. All components of the Storm Water Management System shall be designed and supplied by Santa Fe Water Systems (SFWS), except where noted. Any deviation, omission or substitution shall void two-year warranty. Two-year warranty shall cover the complete system according to the performance parameters indicated on the drawing set as engineered by SFWS, when installed in accordance with the SFWS design. The Warranty includes all parts and labor of shop assembled items and excludes installation of components by Contractor unless otherwise noted on plans. Warranty coverage requires regular documented maintenance of the full system performed by the owner or authorized maintenance contractor.



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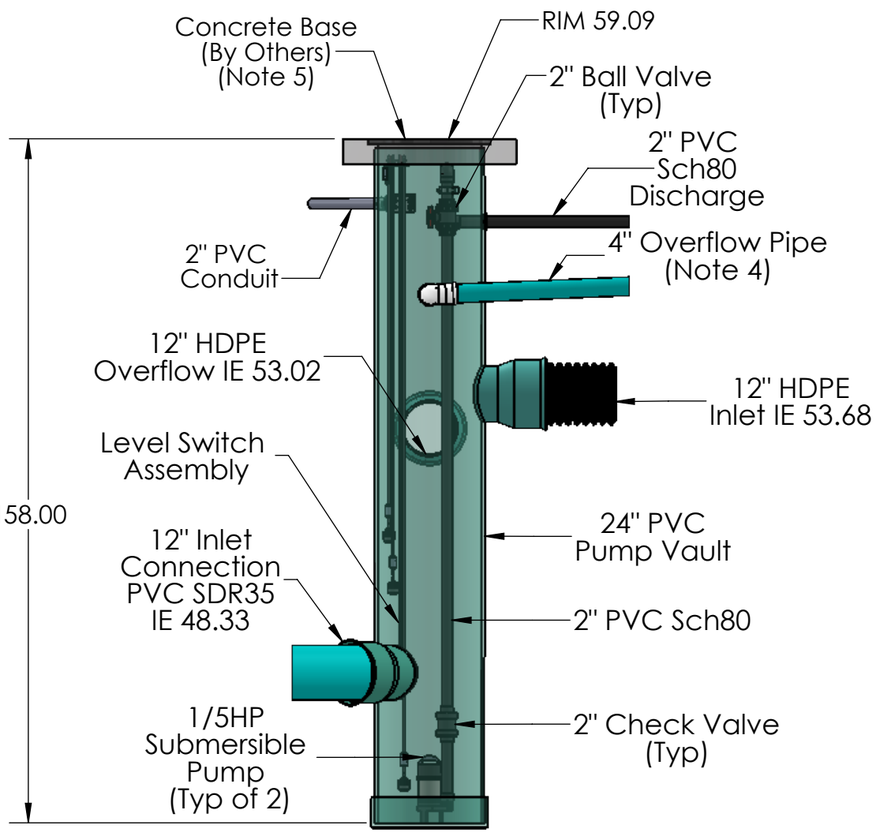
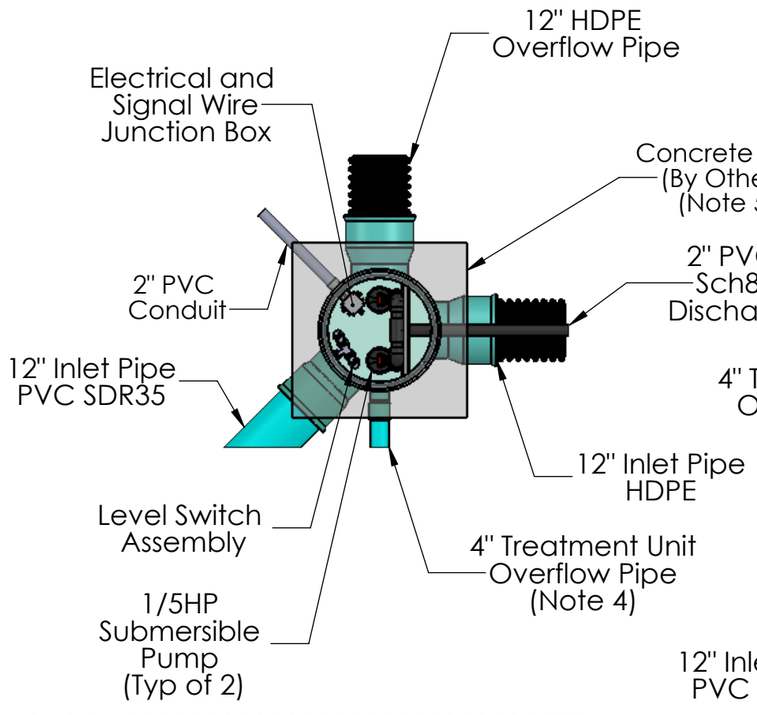
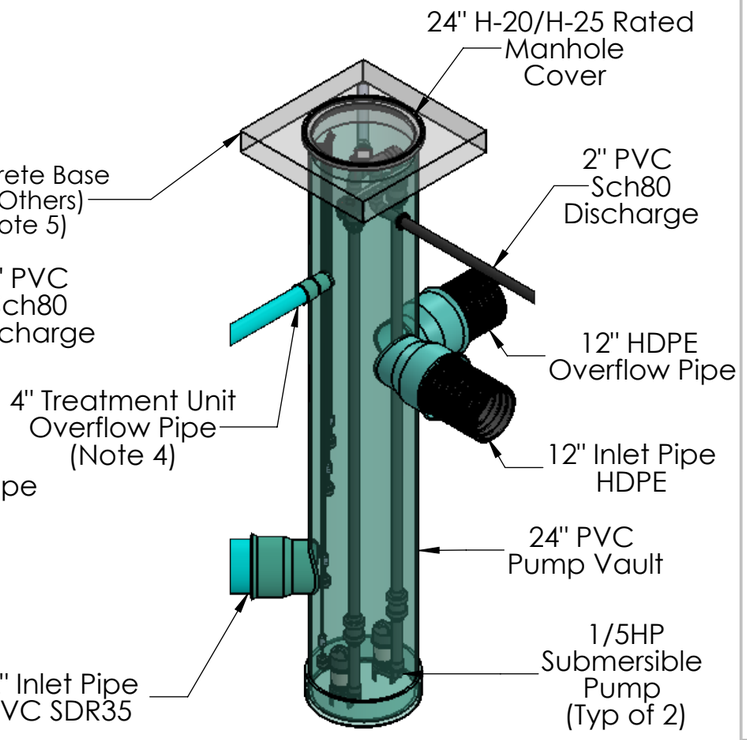
CHECKED	MDF	5/16/2023
ENG APPR.	CKL	5/16/2023
REV		

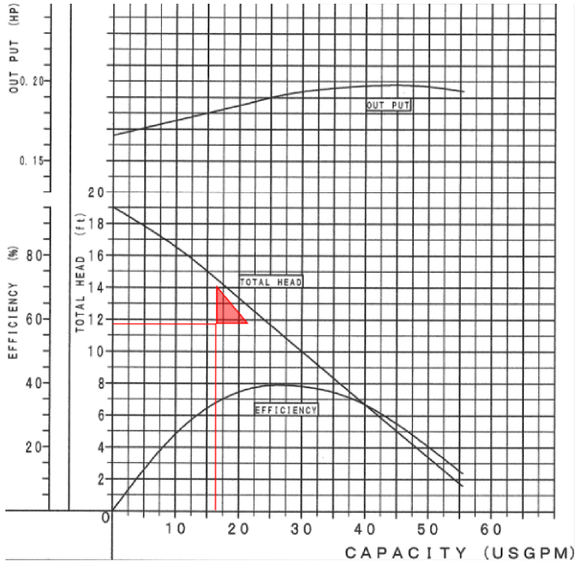
TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE **B** SHEET 4 OF 7









NOTES:

1. Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer
2. All materials shown on this sheet shall be supplied by Santa Fe Water Systems, Santa Fe Springs, CA, except where noted. Pumps shall be Shinmaywa 50CR2.15S, 1/5HP, 1PH, 115v, 3A. Substitution of any component may two-year void warranty.
3. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
4. Route 2" pump system outlet and 4" Overflow pipe as shown on Civil Sheets. 4" Overflow pipe not required for treatment discharge pump systems.
5. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
6. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
7. Pump performance requirements based on 96 hour drawdown of 12,712.8 cu ft = 16.51 gpm.

Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer. All components of the Storm Water Management System shall be designed and supplied by Santa Fe Water Systems (SFWS), except where noted. Any deviation, omission or substitution shall void two-year warranty. Two-year warranty shall cover the complete system according to the performance parameters indicated on the drawing set as engineered by SFWS, when installed in accordance with the SFWS design. The Warranty includes all parts and labor of shop assembled items and excludes installation of components by Contractor unless otherwise noted on plans. Warranty coverage requires regular documented maintenance of the full system performed by the owner or authorized maintenance contractor.

Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	70'	0.56'
Check Valve	1	0.12'
90 Elbow	2	0.07'
Tee	1	0.09'
Exit	1	0.05'
Elevation Head		10.94'
Total Headloss @ 16.51 gpm		11.84'

Santa Fe Water Systems
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	NAME	DATE
DRAWN	SRG	5/16/2023
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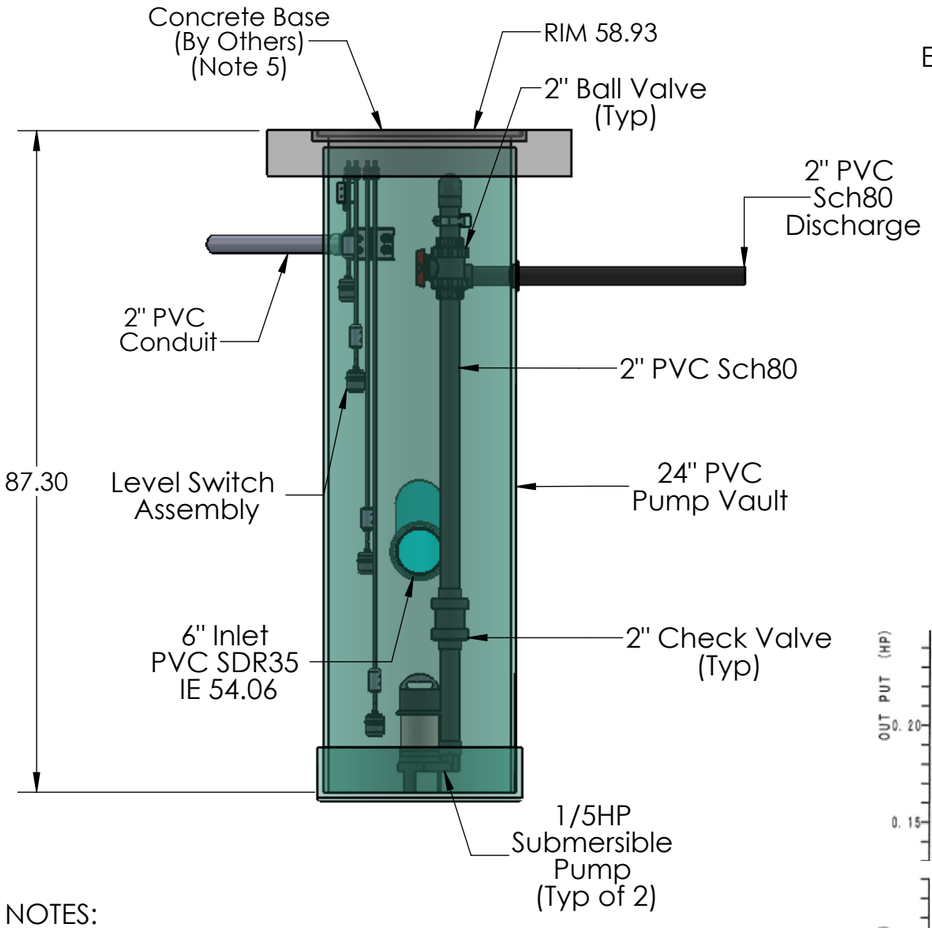
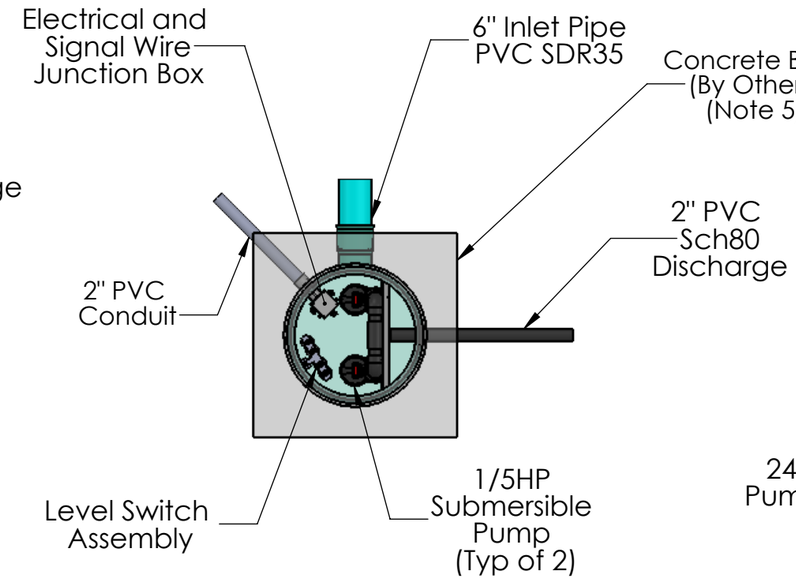
ENG APPR.	CKL	5/16/2023

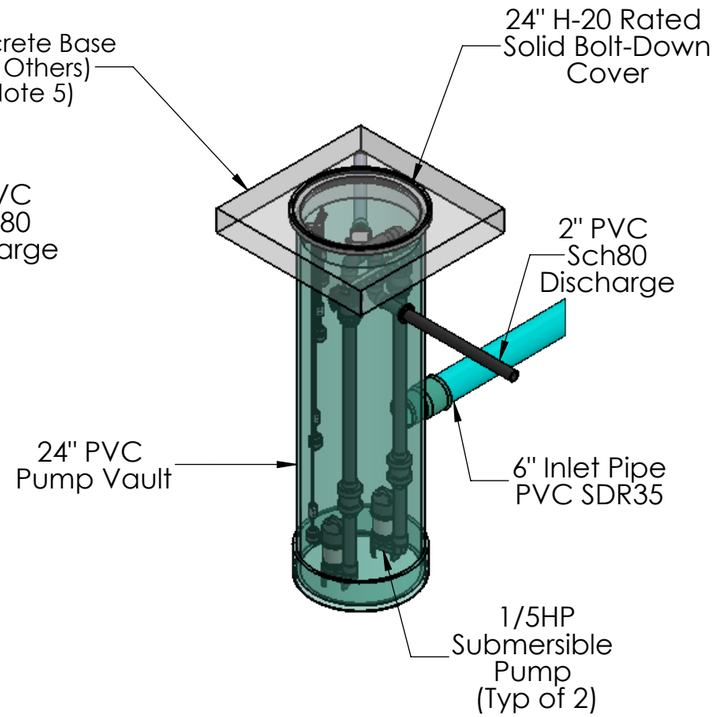
REV

TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Feed Pump Station
12,712.8 cu ft

SIZE **B** SHEET 5 OF 7

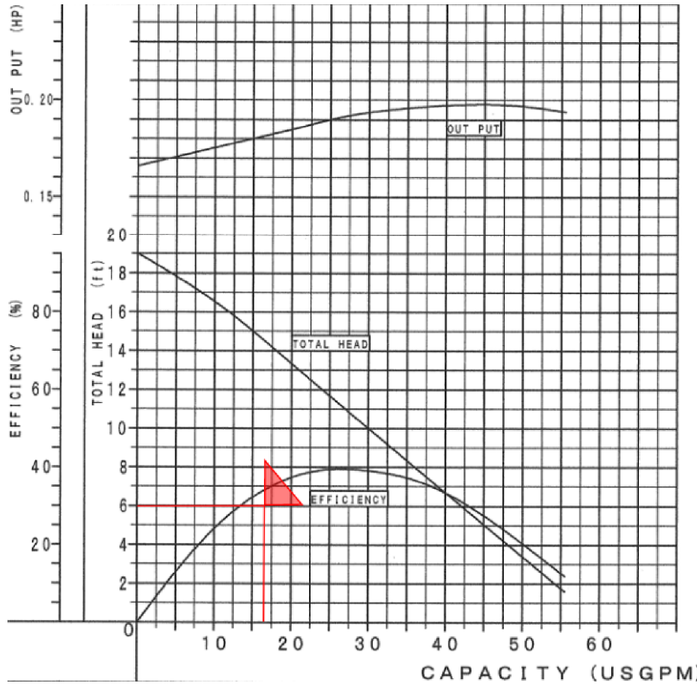






NOTES:

1. Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer
2. All materials shown on this sheet shall be supplied by Santa Fe Water Systems, Santa Fe Springs, CA, except where noted. Pumps shall be Shinmaywa 50CR2.15S, 1/5HP, 1PH, 115v, 3A. Substitution of any component may void two-year warranty.
3. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
4. Route 2" pump system outlet and 4" Overflow pipe as shown on Civil Sheets. 4" Overflow pipe not required for treatment discharge pump systems.
5. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
6. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
7. Pump performance requirements based on 96 hour drawdown of 12,712.8 cu ft = 16.51 gpm.



Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer. All components of the Storm Water Management System shall be designed and supplied by Santa Fe Water Systems (SFWS), except where noted. Any deviation, omission or substitution shall void two-year warranty. Two-year warranty shall cover the complete system according to the performance parameters indicated on the drawing set as engineered by SFWS, when installed in accordance with the SFWS design. The Warranty includes all parts and labor of shop assembled items and excludes installation of components by Contractor unless otherwise noted on plans. Warranty coverage requires regular documented maintenance of the full system performed by the owner or authorized maintenance contractor.

Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	106.25'	0.85'
Check Valve	1	0.12'
90 Elbow	2	0.07'
45 Elbow	1	0.01'
Tee	1	0.09'
Exit	1	0.05'
Elevation Head		4.81'
Total Headloss @ 16.51 gpm		6.01'

Santa Fe Water Systems
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.SFWSystems.com

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF **SANTA FE WATER SYSTEMS**. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SANTA FE WATER SYSTEMS IS PROHIBITED.

	NAME	DATE
DRAWN	SRG	5/16/2023
CHECKED	MDF	5/16/2023
ENG APPR.	CKL	5/16/2023
REV		

TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Discharge Pump Station
12,712.8 cu ft

SIZE **B** SHEET 6 OF 7

APPENDIX D

Hydraulics Analysis

(Additional analysis to be provided during final engineering)

Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Friday, Feb 23 2024

DMA A - Q25 Preliminary Pipe Analysis

Circular

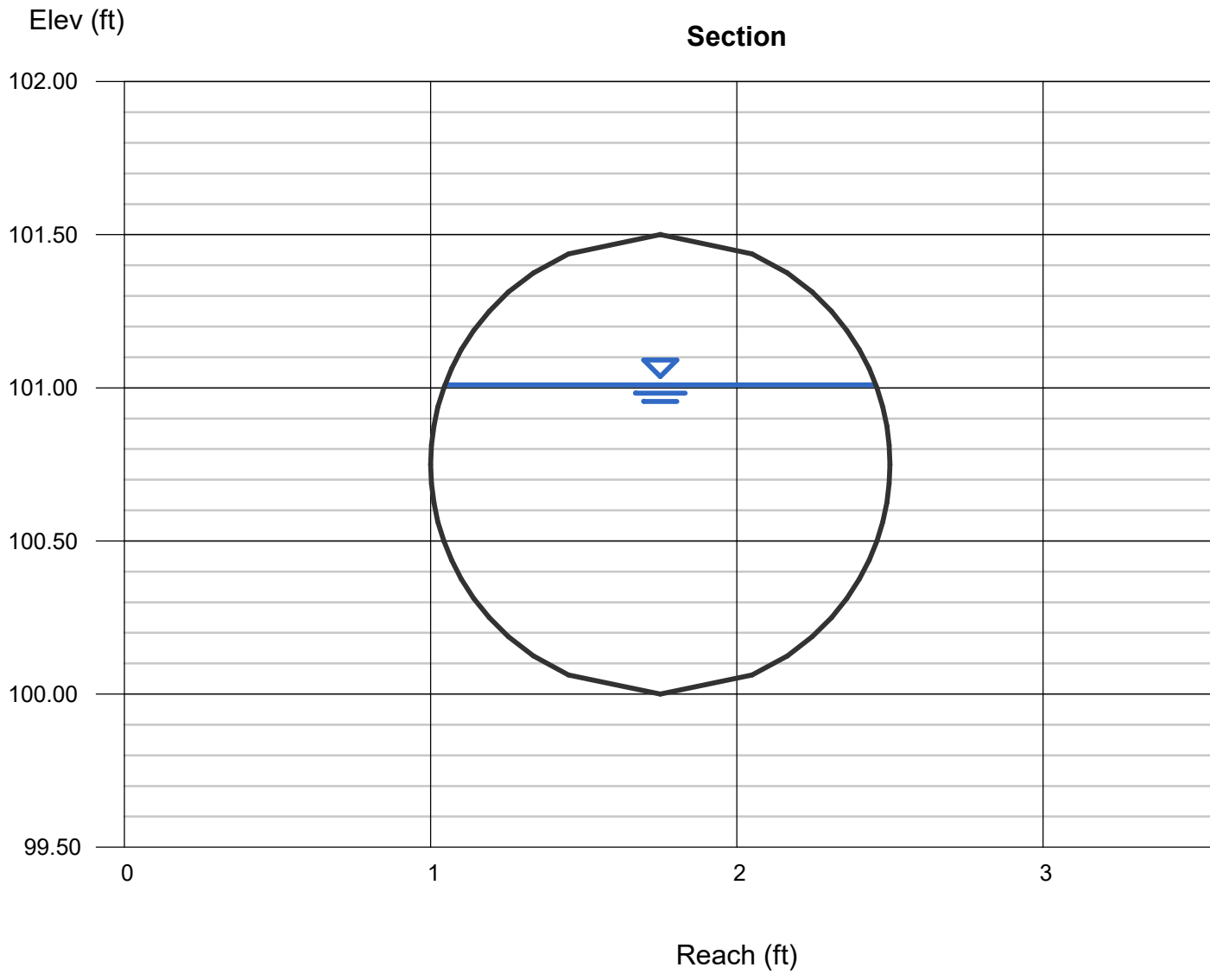
Diameter (ft)	= 1.50
Invert Elev (ft)	= 100.00
Slope (%)	= 1.00
N-Value	= 0.013

Calculations

Compute by:	Known Q
Known Q (cfs)	= 8.32

Highlighted

Depth (ft)	= 1.01
Q (cfs)	= 8.320
Area (sqft)	= 1.27
Velocity (ft/s)	= 6.57
Wetted Perim (ft)	= 2.89
Crit Depth, Yc (ft)	= 1.12
Top Width (ft)	= 1.41
EGL (ft)	= 1.68



Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Friday, Feb 23 2024

DMA B - Q25 Preliminary Pipe Analysis

Circular

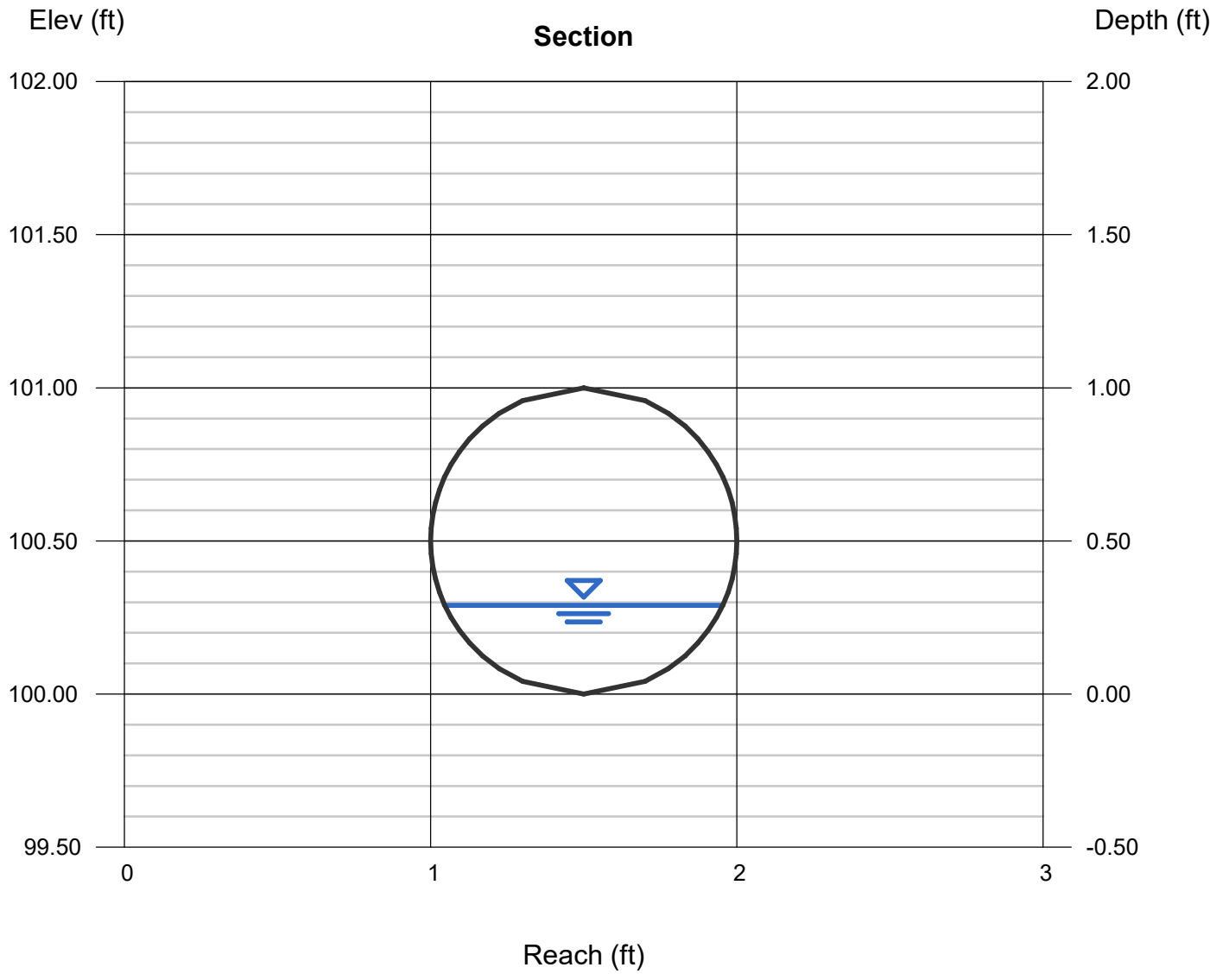
Diameter (ft)	= 1.00
Invert Elev (ft)	= 100.00
Slope (%)	= 1.00
N-Value	= 0.013

Calculations

Compute by:	Known Q
Known Q (cfs)	= 0.63

Highlighted

Depth (ft)	= 0.29
Q (cfs)	= 0.630
Area (sqft)	= 0.19
Velocity (ft/s)	= 3.31
Wetted Perim (ft)	= 1.14
Crit Depth, Yc (ft)	= 0.33
Top Width (ft)	= 0.91
EGL (ft)	= 0.46



APPENDIX F

References

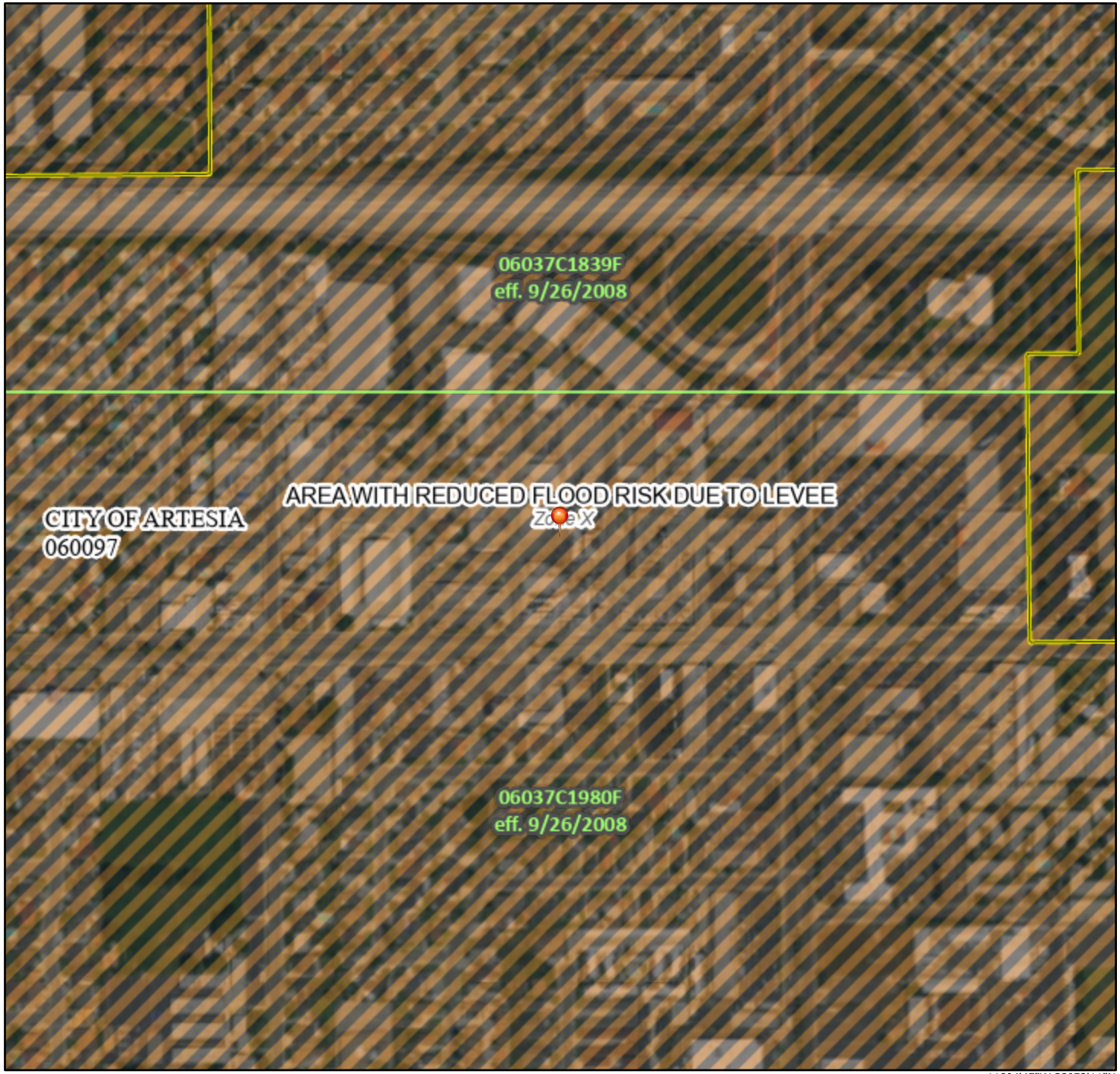
Reference Plans

FEMA Flood Map

National Flood Hazard Layer FIRMette

FEMA

118°5'23"W 33°52'41"N



118°4'45"W 33°52'11"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/9/2022 at 6:22 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Preliminary Low Impact Development (LID) Plan

Prepared for:
G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
Contact: Mitchell Gardner
(925) 876-9985

Property:
VTTM no. 83834
APN: 7035-016-064
11709 Artesia Boulevard
Artesia, CA 90701

Prepared by:
C&V Consulting, Inc.
9830 Irvine Center Drive
Irvine, CA 92618
(949) 916-3800
Contact: Ryan Bittner, P.E.

Prepared: February 2024

Receipt of WDID

REPLACE THIS SHEET

To be provided prior to final approval

Notice of Intent

REPLACE THIS SHEET

To be provided prior to final approval

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Appendix F: Operation and Maintenance Plan
Appendix G: Geotechnical Investigation

Project Owner's Certification of the Preliminary Low Impact Development (LID) Plan

Project Name: ***11709 Artesia Boulevard, Artesia***

Project Number: **Vesting Tentative Tract Map No. 83834**
APN 7035-016-064

Project Address: **11709 Artesia Boulevard**
Artesia CA 90701

This Preliminary Low Impact Development (LID) Plan for the ***VTTM 83834*** project has been prepared for G3 Urban by C&V Consulting, Inc. It is intended to comply with the requirements of the City of Artesia's Conditions of Approval.

The undersigned is authorized to approve implementation of provisions of this plan as appropriate and will strive to have the plan carried out by successors consistent with the County of Los Angeles LID Manual and the intent of the NPDES storm water requirements.

"I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner's Name:	Mitchell Gardner		
Owner's Title:	Architect – President of Development		
Company:	G3 Urban		
Address:	15235 S. Western Avenue, Gardena, CA 90249		
Email:			
Telephone No.:	(925) 876-9985		
Signature:		Date:	

Engineer Certification

Engineer's Name:	Ryan Bittner		
Engineer's Title:	CEO		
Company:	C&V Consulting, Inc.		
Address:	9830 Irvine Center Drive, Irvine, CA 92618		
Email:	rbittner cvc-inc.net		
Telephone No.	(949) 916-3800		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2021-0105, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature		Date	
Place Stamp Here			

Section 200

A. Contact Information/List of Responsible Parties

The property contact information is:

Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
(925) 876-9985

The property owner shall have primary responsibility and significant authority for the implementation, maintenance, and inspection of the property BMPs. Duties of the Owner include but are not limited to:

- Implementing all elements of the LID, including but not limited to:
  - Implementation of prompt and effective erosion and sediment control measures
  - Implementing all non-storm water management, and materials and waste management activities, such as: monitoring, discharges, general site clean-up□vehicle and equipment cleaning, spill control□good construction housekeeping to ensure that no materials other than storm water are discharged which may have an adverse effect on receiving waters or storm drain systems, etc.
- Inspections and Maintenance.
- Routine inspections as described in the Low Impact Development Plan.
- Ensuring elimination of all unauthorized discharges
- The Owner shall be assigned authority to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate all of the necessary corrections/repairs are made immediately, and that the project complies with the LID at all times.
- Managing and report any Illicit Connections or Illegal Discharges.

Section 300

A. References

The following documents are made a part of this LID by reference:

- Project plans and specifications for the City of Artesia to support the ***VTTM 83834*** project, prepared by C&V Consulting, Inc., 9830 Irvine Center Drive, Irvine, California 92618.

- Los Angeles Resources Water Quality Control Board (LARWQCB) Order R4-2021-0105 effective September 10, 2021

- State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) No. CAS000002, Waste Discharge Requirements (WDRs) for Discharges of Storm Water Runoff Associated with Construction Activity, adopted on September 8, 2022.

- California Stormwater BMP Handbook – Construction, November 2009.

- California Stormwater BMP Handbook – New Development and Redevelopment, January 2003.

- County of Los Angeles Department of Public Works L.I.D. Standards Manual, February 2014

Section 400 – Body of LID

A. Objectives

This Low Impact Development (LID) Plan has the following main objectives:

1) Identify all pollutant sources, including sources of sediment that may affect the quality of storm water discharges associated with daily use / activity (storm water discharges) from the property site.
2) Identify, construct, implement and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants in storm water discharges and authorized non-storm water discharges from the property site.
3) Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants.

B. Project Background and Description

The project site consists of several existing lots that form rectangular shaped areas with a total gross area of 4.99 acres. The project proposes two development areas within the site, it is located at 11709 Artesia Boulevard and 17212 Alburtis Avenue, in the City of Artesia (APN:7035-016-064, 7035-020-056). The larger portion of the development is bounded by Flallon Avenue to the west, Alburtis Avenue to the east, Artesia Boulevard to the south, and an industrial building to the north. The other portion of the development is located across Alburtis Avenue.

Refer to Figure 1 for Project Site Vicinity Map.

The existing conditions of the project site consist of a vacant lot. The entire site is completely paved with no landscaping on site per geospatial images which is assumed to be 100□ impervious as the site has a negligible pervious area coverage.

The project proposes the construction of 22 residential buildings with 112 attached condominiums with private garages, private drive aisles, sidewalks, and common landscaped areas. The development site will be accessible with entrances/ exits along Flallon Avenue and Alburtis Avenue. The public streets, which will not be a part of this hydrological analysis, are to be remain in-kind to preserve the perviousness of land usage and drainage pattern per existing conditions. Drive aisles and parking areas will be composed of asphalt concrete pavement. Proposed imperviousness is delineated and analyzed per LID exhibit to be 90□ impervious.

C. Existing Site Drainage Condition

Both existing sites generally sloped in the southerly direction with elevations ranging between approximately 60.0 and 57.3 feet above mean sea level. Drainage from the existing site is conveyed as sheet flow overland mainly in the westerly direction towards Flallon Avenue and partially in the easterly direction towards Alburtis Avenue. The Overall drainage of the project site generally surface flows southwesterly to confluence

with the street flows to the existing catch basins at the public right of way adjacent to site near the corner of Artesia Boulevard and Flallon Avenue. There is an existing drainage inlet near the center of the site that collects a portion of the center of the site. As the portion of the site that collects flow is generally flat and the low point ponds to slope towards the Fallon Avenue, both sites are analyzed as a single drainage area that is tributary to the downstream system. All flow ultimately discharges to the San Gabriel River which drains to the Pacific Ocean at San Pedro Bay. Water bodies downstream of the project site are listed on the most current 303(d) list as follows:

- San Gabriel River Rach 1 (Estuary to Firestone)
  - Coliform Bacteria
- San Gabriel River Estuary
  - Copper
  - Dioxin
  - Nickel
  - Oxygen, Dissolved
- San Pedro Bay
  - Chlordane
  - DDT (tissue & sediment)
  - PCBs (Polychlorinated biphenyls)
  - Sediment Toxicity

The MS4 facilities downstream of the project site are engineered, therefore the project is exempt from Hydromodification Control requirements per LACPW LID Manual as stated below:
“Projects that discharge directly or through a storm drain into concrete or otherwise engineered channel (i.e., channelized or armored with rip-rap, shotcrete), which, in turn, discharge into receiving water that is not susceptible to hydromodification impacts.”

D. Proposed Site Drainage Conditions

Both proposed development sites drainage comprise of a single on-site drainage management area for water quality as stormwater are collected with the proposed inlets located at each entrance to the site and routed to a single treatment system prior to be released offsite. The proposed catch basin inlets and grated inlets collect the proposed site’s generated runoff to be routed to an underground detention system that feeds into a bio-filtration system via pump station for water quality treatment. The treated flow will be pumped to a parkway culvert and be routed to the downstream system. Both development sites have their own detention and treatment system following its existing drainage pattern to confluence downstream at the same point.

When the underground detention is at full capacity, the confluence of the flows will be mitigated to the proposed overflow parkway culvert through the interconnected storm drain system. The public streets catch basin is to be relocated slightly south of the existing conditions as parking is proposed along the public right of way, which will not be a part of this hydrological analysis due to it characteristic to be remain in-kind to preserve the historical drainage pattern.

In cases of storm events exceeding the design storm drain capacity, the site is graded to outlet overflow at the entrances of the site towards Flallon Avenue and Alburtis Avenue. The runoff will then continue along the street flow downstream following historical drainage pattern.

Per Geotechnical Investigation, prepared by Albus & Associates, Inc. dated December 7, 2021, based on state-provided information, the historic-high groundwater is approximately 10 feet below the ground surface. From the geotechnical perspective, the findings indicate the site is not feasible for infiltration, therefore, bio-filtration BMPs are considered for the proposed site.

Refer to Figure 2, BMP Exhibit for additional information.

E. LID Project Types, Characteristics, & Activities

Per the California Regional Water Quality Control Board Los Angeles Region MS4 Order R2021-0105 Part VIII.F, the proposed project is classified as a “Priority Development Project”.

Par VIII.F.1.i.(a) of the 2021 LARWQCB MS4 NPDES Permit defines “Priority Development Projects”, requiring Low Impact Development (LID) planning, to include “Projects equal to 1 acre or greater of disturbed area and adding more than 10,000 square feet or more of impervious surface area (collectively over the entire project site).

F. Pollutant Source Identification

The following is a list of materials to be used in the daily construction activities at the project site, which will potentially contribute to pollutants, other than sediment, to storm water runoff. Control Practices for each activity are identified below:

- Vehicle fluids, including oil, grease, petroleum, and coolants from personal vehicles.
- Landscaping materials and wastes (topsoil, plant materials, herbicides, fertilizers, mulch, pesticides)
- General trash debris and litter
- Pet waste (bacteria/ fecal coliforms)

Project proponents shall implement Site Design concepts that achieve each of the following:

- Minimize □rban Runoff
- Minimize Impervious Footprint
- Conserve Natural Areas
- Minimize Directly Connected Impervious Areas (DCIAs)

The Best Management Practices (BMPs) that have been selected for implementation on this project are detailed in the following sections.

G. Non-Structural BMPs

Non-structural BMPs are generally managerial, educational, inspection and/ or maintenance oriented. These items consist of educating employees and occupants, developing, and implementing HOA guidelines, implementing BMPs and enforcing Code requirements.

Table-1: Non-Structural Source Control BMPs

BMP	TECHNIQUE	INCLUDED? YES	INCLUDED? NO	NOTES
N1	Education for Property Owners, Tenants and Occupants	X		HOA to comply
N2	Activity Restrictions	X		HOA to comply
N3	Common Area Landscape Management	X		HOA to comply
N4	BMP Maintenance	X		HOA to maintain
N5	Title 22 CCR Compliance (How development will comply)		X	HOA to comply
N6	Local Industrial Permit Compliance		X	Not Applicable
N7	Spill Contingency Plan		X	Not Applicable
N8	□nderground Storage Tank Compliance		X	Not Applicable
N9	Hazardous Materials Disclosure Compliance		X	Not Applicable
N10	□niform Fire Code Implementation		X	Not Applicable
N11	Common Area Litter Control	X		HOA to comply
N12	Employee Training	X		HOA to comply
N13	Housekeeping of Loading Docks		X	Not Applicable
N14	Common Area Catch Basin Inspection	X		HOA to comply
N15	Street Sweeping Private Streets and Parking Lots	X		HOA to comply
N16	Retail Gasoline Outlets		X	Not Applicable

Education for Employees and Occupants

Practical informational materials will be provided to homeowners, HOA and employees on general good housekeeping practices that contribute to protection of storm water

quality. Among other things, these materials will describe the use of chemicals (including household type) that should be limited to the property, with no discharge of specified wastes via hosing or other direct discharge to gutters, catch basins and storm drains. Initially, the Owner will provide these materials. Thereafter, such materials will be available through the HOA education program.

This program must be maintained, enforced, and updated periodically by the HOA. Educational materials including, but not limited to, the materials included in the Appendix E of this plan will be made available to the employees and contractors of the HOA.

Activity Restrictions

Activities on this site will be limited to activities related to residential living. The project's Conditions, Covenants, and Restrictions (CC&Rs) will outline the activities that are restricted on the property. Such activities related to the LID include car washing, car maintenance and disposal of used motor fluids, pet waste cleanup, and trash container areas.

Community Car Wash Racks

No community car wash rack or area will be provided, therefore, vehicle washing by residents on the property will not be allowed per the CC&Rs.

Self-Contained Washing

Self-contained washing of vehicles by residents or owners on the property will not be allowed per the CC&Rs.

Outdoor Material Storage Areas

Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Outdoor Storage by residents or owners on the property will not be allowed per the CC&Rs.

Common Area Landscaped Management

Identify on-going landscape maintenance requirements that are consistent with those in the County Water Conservation Resolution (or city equivalent) that include fertilizer and/or pesticide usage consistent with Management Guidelines for □se of Fertilizers

Runoff-Minimizing Landscape Design

As part of the design of all common area landscape areas, similar planting material with similar water requirements will be used in order to reduce excess irrigation runoff and promote surface filtration. Such common areas will be maintained by the HOA.

BMP Maintenance
The HOA will implement maintenance of each non-structural BMP and scheduled cleaning and/or maintenance of all structural BMP facilities.

Common Area Litter Control
The HOA must implement trash management and litter control procedures in common areas aimed at reducing pollution of drainage water. The HOA may contract a landscape maintenance company to provide this service during regularly scheduled maintenance which will consist of litter patrol and noting trash disposal violations and reporting the violations to the HOA for investigation.

Employee Training
A training program will be established as it would apply to future employees, contractors, and homeowners of the HOA to inform and train in maintenance activities regarding the impact of dumping oil, paints, solvents, or other potentially harmful chemicals into storm drains the proper use of fertilizers and pesticides in landscaping maintenance practices and the impacts of littering and improper water disposal.

The HOA (or a hired firm) will conduct the training program which will include targeted training sessions with specific construction disciplines (landscaping, concrete finishers, painters, etc.). See Appendix E for examples of educational materials that will be provided to the Employees.

The project's CC&Rs will include provisions for future employee training programs conducted on a yearly basis prior to the rainy season.

Drainage Facility Inspection & Maintenance
The HOA will be responsible for implementing each of the BMPs detailed in this plan. The HOA will also be responsible for cleaning and maintaining the BMPs on a regular basis. Refer to Appendix F for the Operation and Maintenance Plan. Refer to Appendix C for site specific drainage BMP information.

Catch Basin Inspection
The HOA will maintain the drainage systems, including catch basins and culverts. The HOA is required to have catch basins inspected and, if necessary, cleaned prior to the storm season, no later than October 15th each year or prior to the first 24-hour storm event, whichever occurs first. These duties may be contracted out to the landscape maintenance firm hired by the HOA. Refer to Appendix D for EPA maintenance standard for guidance. Refer to Appendix F for the Operation and Maintenance Plan to be prepared during Final Engineering Phase.

Street Sweeping in Private Streets and Parking Lots
The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

H. Structural BMPs

Table-2 and Table-3 identifies the structural source control BMPs for Design and how each is implemented to achieve each Site Design concept. BMP fact sheets are provided by the LACDPW *Low Impact Development Standards Manual* and the California Stormwater Quality Association.

Table-2: LACDPW Source Control BMPs

BMP	TECHNIQUE	INCLUDED?		NOTES
		YES	NO	
S-1	Storm Drain Message and Signage	X		Catch basins will be appropriately marked
S-2	Outdoor Material Storage Area		X	Not Applicable
S-3	Outdoor Trash Storage and Waste Handling Area		X	Not Applicable
S-4	Outdoor Loading/□nloading Dock Area		X	No Loading Dock Areas
S-5	Outdoor Repair/Maintenance Area		X	No Maintenance Bays
S-6	Outdoor Vehicle/Equipment's/Accessory Washing Area		X	No Wash Areas
S-7	Fueling Area		X	No Fueling Areas
S-8	Landscape Irrigation Practices	X		HOA CC&Rs
S-9	Building Materials Selection	X		HOA CC&Rs
S-10	Animal Care and Handling Facilities		X	No Animal Care Facility
S-11	Outdoor Horticulture Areas		X	Not Applicable

Table-3: CASQA Source Control BMPs for Design

BMP	TECHNIQUE	INCLUDED?		NOTES
		YES	NO	
SE-7	Street Sweeping and Vacuuming	X		Pet waste collection stations, HOA
SD-10	Site Design & Landscape Planning	X		Common Landscape Area Design, HOA
SD-11	Roof Runoff Controls	X		Roof drains will be disconnected from the MS4
SD-12	Efficient Irrigation	X		Landscape design will implement efficient irrigation

BMP	TECHNIQUE	INCLUDED?		NOTES
		YES	NO	
SD-13	Storm Drain Signage	X		Catch basins will be appropriately marked
SD-20	Pervious Pavements		X	Site design does not allow for this BMP.
SD-21	Alternative Building Materials		X	Not Applicable
SD-30	Fueling Areas		X	Not Applicable
SD-31	Maintenance Bays & Docks		X	Not Applicable
SD-32	Trash Storage Areas		X	Not Applicable
SD-33	Vehicle Washing Areas		X	Not Applicable
SD-34	Outdoor Material Storage Areas		X	Not Applicable
SD-35	Outdoor Work Areas		X	Not Applicable
SD-36	Outdoor Processing Areas		X	Not Applicable

Storm Drain Stenciling/ Signage
Phrase "No Dumping – Drains to Ocean" or equally effective phrase to be stenciled on catch basins to alert the public to the destination of pollutants discharged into storm water. This stenciling will be inspected and re-stenciled on a periodic basis by the HOA. Refer to Table 4 for maintenance frequency. Refer to Appendix D for stenciling examples.

Landscape & Irrigation System Design
As part of the design of all common area landscape irrigation shall employ water conservation principles, including, but not limited to, such provisions as water sensors, programmable irrigation times (for short cycles), etc. will be used. Such common areas will be maintained by the HOA.

Efficient Landscape System & Landscape Maintenance
Management programs will be designed and established by the HOA, who will maintain the common areas within the project site. These programs will include how to mitigate the potential dangers of fertilizer and pesticide usage (refer to the Maintenance and Frequency Table). Ongoing maintenance will be consistent with the State of California Model- Water Efficient Landscape Ordinance. Fertilizer and pesticide usage shall be consistent with County Management Guidelines for use of Fertilizers and Pesticides.

Building Materials Selection
Material selection will minimize the use of copper, galvanized metals and other materials that could add significant amounts of harmful pollutants to stormwater runoff.

Street Sweeping and Vacuuming

The HOA shall have all streets and parking lots swept on a weekly basis. This procedure will be intensified around October 15th of each year prior to and throughout rain storm period.

I. LID and Treatment BMPs

Treatment BMPs shall be installed by the developer, through the construction and development of the project, for instance landscaping and irrigation systems shall be designed by licensed landscape architects and installed by qualified contractors to specifications and City standards. The structural BMPs used for this project are summarized below:

Expected pollutants associated with this development include vehicle discharge fluids, landscaping materials and waste, litter, and pet waste. To mitigate these pollutants, the structural best management practices are summarized below.

Table-4: Treatment BMPs

BMP	NAME	INCLUDED?		IF NOT APPLICABLE, STATE BRIEF REASON
		YES	NO	
VEG-5	Vegetated Filter Strip		X	Alternative BMP selected
VEG-4	Vegetated Swale		X	Space not available for BMP
MP-40	Media Filter		X	Alternative BMP selected
MP-52	Drain Inserts		X	Alternative BMP selected
T-3	Extended Detention Basin		X	Alternative BMP selected
T-4	Wet Pond		X	Alternative BMP selected
T-2	Constructed Wetland		X	Alternative BMP selected
T-1	Sand Filter		X	Alternative BMP selected
RET-5	Permeable Pavement without an nderdrain		X	Alternative BMP selected
RET-2	Infiltration Basin		X	Alternative BMP selected
RET-3	Infiltration Trench		X	Alternative BMP selected
TC-40	Media Filter		X	Alternative BMP selected
BIO-1	Biofiltration	X		Proposed WetlandMOD will be utilized in the proposed development for the entire SWQDV.

Biofiltration: WetlandMOD Biofiltration Treatment System

The unique treatment capabilities of the 'WetlandMod' System incorporates capture, screening, hydrodynamic separation, advanced media filtration, biofiltration to reduce and control water volume in a more efficient way compared to traditional downward flow bioretention system.

The Modular Wetlands System removes a range of pollutants associated with urban run-off. Suspended Solids, Heavy metals, Pathogens, Phosphorus, oil and grease pollutants are removed from storm water runoff at a high level of efficiency. The public Agency has found that this system is an acceptable solution to biological treatment of first flush storm water during the project Entitlement Phase of the project when infiltration is not an option for a site due to Geotechnical issues with underlying soils. The Modular Wetland System treats runoff by first intercepting flow through a pre-treatment chamber and pipe inlet from the area drain storm drains and storage pipe where it's screened through a filter where trash, litter, gross solids and sediment are captured. The second stage of treatment provides treatment through biofiltration media. The perimeter filter utilizing bio-media provides physical treatment by physically and chemically capturing fine total suspended solids, metals, nutrients, and bacteria. The final stage of treatment provides treatment in the wetland chamber through sub-surface flow by biological remediation through a combination of physical, chemical, and biological processes.

The Modular Wetland System is a horizontal flow-based BMP and is adjusted based on the Manufacturer's volume design calculations per Los Angeles County bio-filtration requirement for the device at the Treatment Design Volume provided in Appendix A for this project. Since the site is not providing infiltration, the design volume is conservatively sized with a treatment capacity of 1.5 times the Stormwater Quality Design Volume, while Storage chambers are provided upstream of the biofiltration system to ensure the entire SWQDV is captured and fed to the biofiltration system.

The WetlandMod Detail provided by the Manufacturer within Appendix C verifies that the proposed WetlandMod Biofiltration System will treat the required volume within target drawdown duration of 96 hours. The calculation is copies below for reference:

Drainage Management Area (DMA)	Size (ac)	SWQDV (cf)*	SWQDV x 1.5 (cf)	MWS Model	Treatment Capacity (cf)
A	3.304	8,154.4	12,231.5	WM-L-6-24	12,712.8
B	0.248	612.1	918.1	WM-L-4-6	1,230.55

Los Angeles County Department of Public Works (LACDPW) HydroCalc Software was utilized to calculate stormwater quality design volume (SWQDV). The governing flowrate for the 85th Percentile storm event was utilized for design as it was greater than the 0.75-inch storm event. Refer to Appendix A for HydroCalc outputs.

The WetlandMOD Biofiltration Systems provide a treatment capacity sized 1.5 times the SWQDV and therefore provide more than enough treatment for the proposed development. The WetlandMOD systems will address the pollutants of concern associated with the development type. Refer to Appendix C for more information on

WetlandMOD Biofiltration System. Treatment Volumes are to be verified with proposed perviousness per final site plan during Final Engineering.

Pipe Detention Systems

The WetlandMOD Bio-filtration system requires the design volume to be stored upstream to ensure the entire treatment volume is captured and fed to the biofiltration system. Detention and/or Retention Systems shall be installed in accordance with the latest edition of ASTM D2321. Refer to Appendix C for more information on Detention Storage System.

Proposed Condition Drainage Area	Area (ac)	Water Quality Treatment Volume (cu-ft)	Proposed Detention Volume (cu-ft)
DMA-A	3.30	8,154.4	12,712.8
DMA-B	0.25	612.1	1,005.3

J. BMP Maintenance, Inspection, and Repair

Inspections will be conducted as follows:

- Annually and prior to the start of the rainy season
- Every (1) month during rainy season
- At any other time(s) or intervals of time specified in the contract documents

Repairs and/ or maintenance procedures shall be carried out at the soonest possible time.

K. Inspection, Maintenance, and Responsibility for BMPs

Table-4 and Table-5 show the lists of the post-construction BMPs (routine non-structural and structural), the required ongoing maintenance, the inspection and maintenance frequency, the inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection.

Table-5: Non-Structural BMP Maintenance Responsibility/Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Homeowner/ Business owner Education, Activity Restrictions	HOA will provide educational materials. Those materials and responsibilities must be passed onto subsequent property owners.	Continuous. CC&Rs to be provided to homeowners at the time they purchase the property and updates provided by the HOA as they occur.
Common Area Landscape Management	HOA will appoint a landscape maintenance contractor	Monthly during regular maintenance and use with management guidelines for use of fertilizers and pesticides.
Parking Areas and Drive Aisle Management	HOA	The Drives Aisles are to be swept on a routine scheduled basis to facilitate the pickup of trash and debris (plant or otherwise) and to remove excessive oil, grease and build-up. During sweeping, debris is to be removed from the parking areas and drives and then scrubbed and rinsed. This sweeping schedule will be at a minimum occurrence of once a week and as necessary to rid / reduce active pollutants from the pavement areas. This maintenance requirement will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the final Title report of these properties.
Litter Control by Sweeping	HOA	Weekly inspection of trash receptacles to ensure that lids are closed and pick up any excess trash on the ground, noting trash disposal violations to the HOA for remediation.
Employee Training	HOA	Monthly for maintenance personnel and employees to include the educational materials contained in the approved LID.
Common Area Catch Basin Inspection & Cleaning	HOA will appoint a landscape maintenance contractor for common areas and storm drain facilities.	Inspect basins once a month. Clean debris and silt in bottom of catch basins as needed. Intensified on or about October 15th each year or prior to the first 24-hour storm event, whichever occurs first. Refer to Appendix D.

Table-6: Structural BMP Maintenance Responsibility/ Frequency Matrix

BMP	RESPONSIBILITY	FREQUENCY
Common Area Efficient Irrigation	HOA will appoint a landscape contractor after construction	Once a week, in conjunction with maintenance activities. Verify that runoff minimizing landscape design continues to function by checking that water sensors are functioning properly, that irrigation heads are adjusted properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year, weather and day or night time temperatures.
Common Area Runoff Efficient Landscape Design	HOA will appoint a landscaping contractor	Once a week in conjunction with maintenance activities and prior to finalizing any replanting schemes. Verify that plants continue to be grouped according to similar water requirements in order to reduce excess irrigation runoff.
WetlandMOD Biofiltration Vaults	HOA	WetlandMOD Biofiltration Vaults maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C
Pipe Detention System	HOA	Pipe Detention System maintenance will conform to manufacturer's specifications. Please see additional information in Appendix C

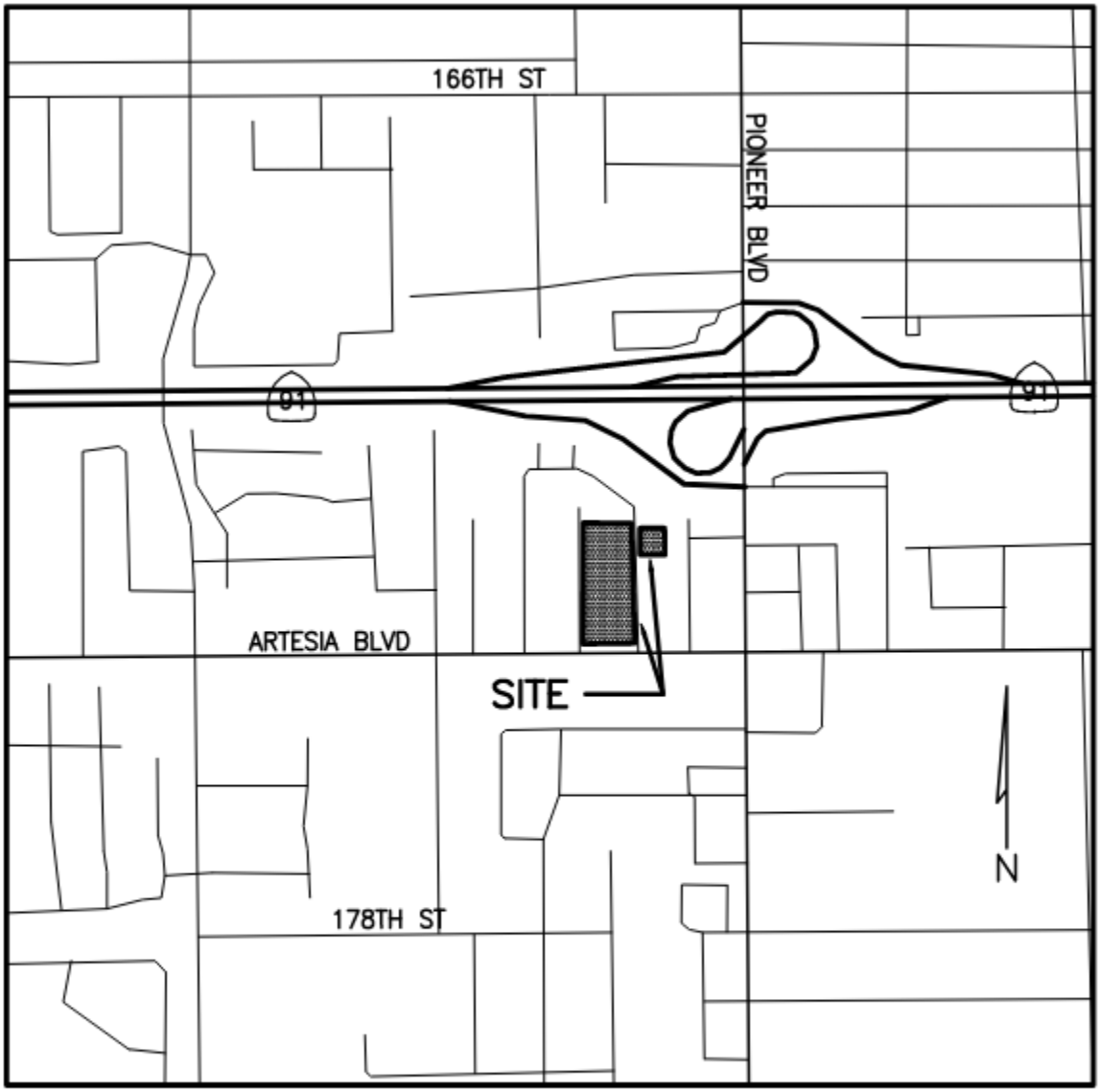
L. Operation/Maintenance Funding after Project Completion

The post-construction BMPs as described above will be funded and maintained by:

Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, CA 90249
(925) 876-9985

Maintenance and requirements of the maintenance for the properties will be listed in the Convent, Conditions and Restrictions (CC&Rs) of this project and will be the responsibility of the property owner at all times. These CC&Rs will be recorded to the property at the County Recorder's Office and be included on the Title report of these properties.

Figure 1:
Project Vicinity Map



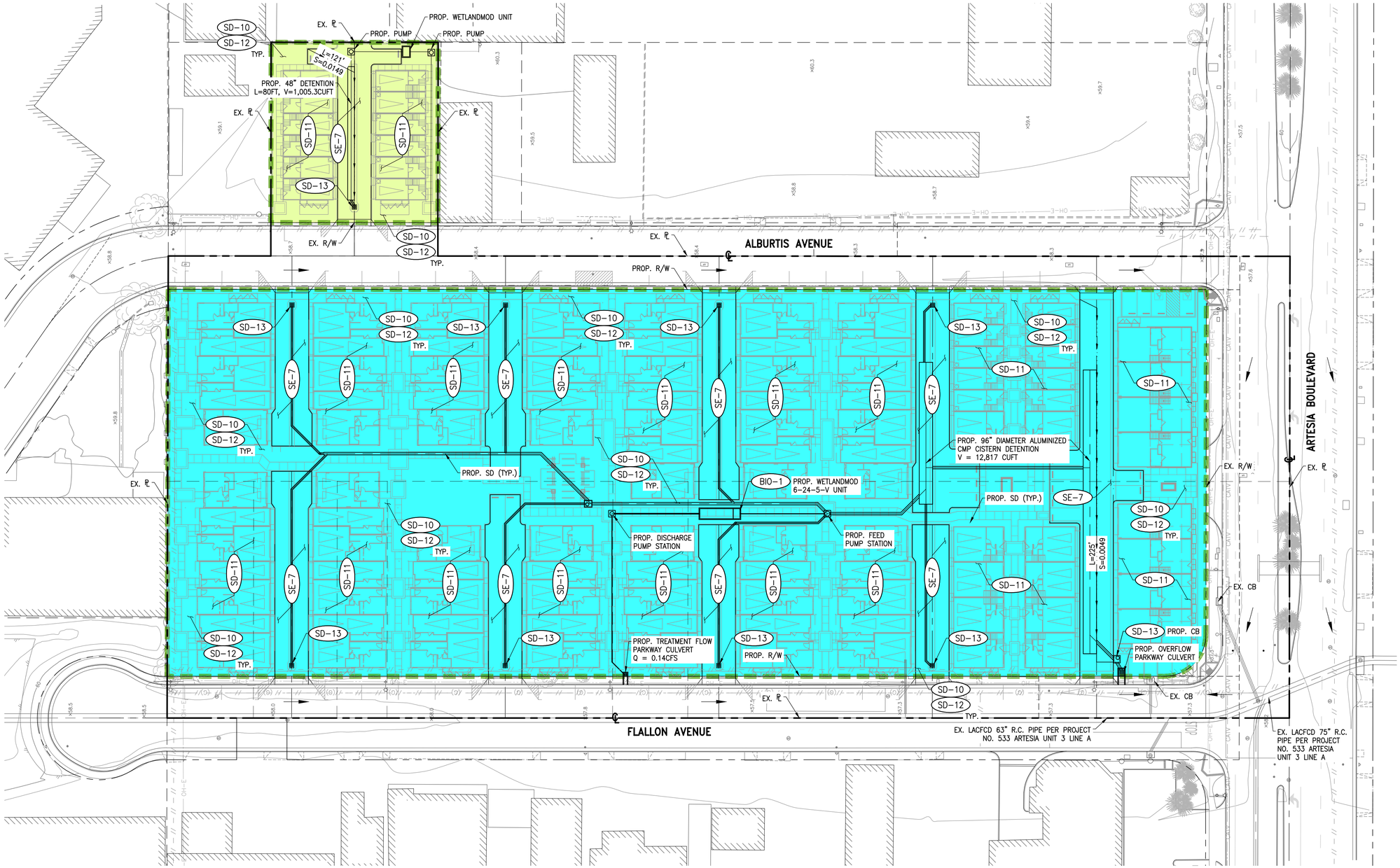
VICINITY MAP
N.T.S.

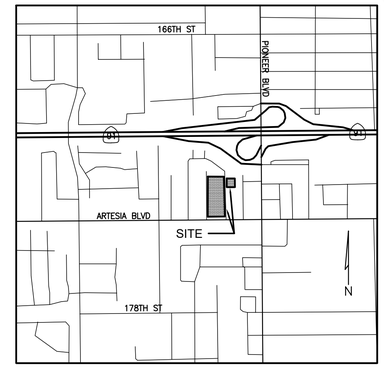
11709 ARTESIA BOULEVARD

ARTESIA, CALIFORNIA

Figure 2:
BMP Exhibit

PRELIMINARY LID EXHIBIT





VICINITY MAP

N.T.S.

LEGEND:

- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- SITE BOUNDARY
- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- FLOW DIRECTION
- FLOWLINE
- PERVIOUS AREA

BEST MANAGEMENT PRACTICES:

- * SE-7 — PRIVATE STREET SWEEPING
- * SD-10 — SITE DESIGN & LANDSCAPE PLANNING
- SD-11 — ROOF RUNOFF CONTROLS
- * S-8 SD-12 — EFFICIENT IRRIGATION
- * S-1 SD-13 — STORM DRAIN SIGNAGE
- BIO-1 — MODULAR WETLAND SYSTEM

*NOTE: TYPICALLY APPLICABLE THROUGHOUT THE SITE.

DMA	COLOR	LANDUSE	AREA (AC)	IMPERVIOUS %	SWQDV (CF)	1.5x SWQDV (CF)	STORAGE CAPACITY (CF)	TREATMENT CAPACITY (CF)
A		RESIDENTIAL	3.304	86%	8,154.4	12,231.5	12,712.8	12,712.8
B		RESIDENTIAL	0.248	86%	612.1	918.1	1,005.3	1,230.6

NOTE: PROPOSED DEVELOPMENT IMPERVIOUSNESS ARE DETERMINED PER LOS ANGELES COUNTY HYDROLOGY DEVELOPMENT TYPE.

SCALE: 1" = 30'

0 15 30 60

REVISIONS

NO.	DATE	DESCRIPTION	BY

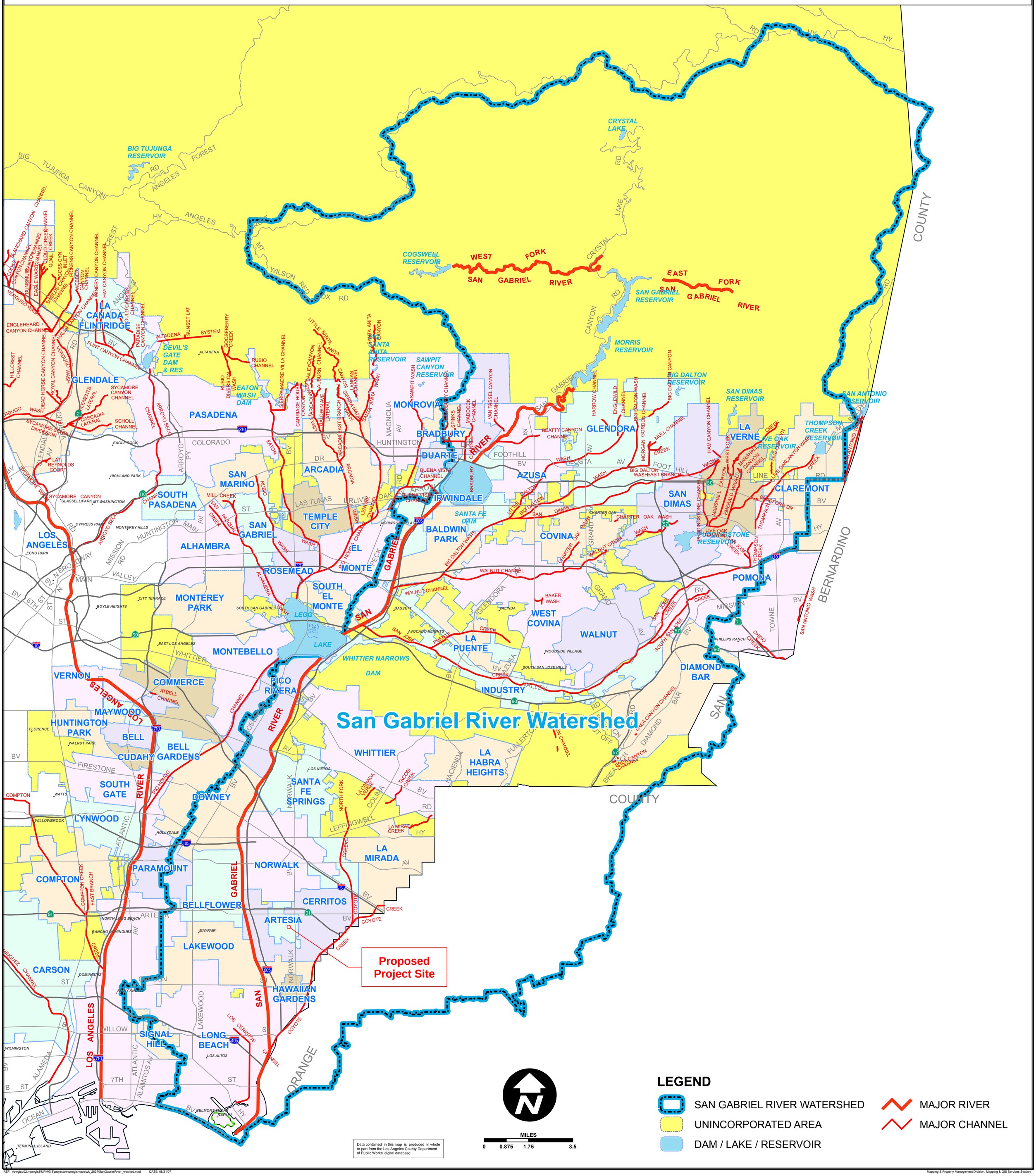
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
9830 IRVINE CENTER DRIVE
IRVINE, CALIFORNIA 92618
(949) 916-3800
INFO@CVC-INC.NET
WWW.CVC-INC.NET

VTTM NO. 83834
11709 ARTESIA BOULEVARD
CITY OF ARTESIA
COUNTY OF LOS ANGELES, CALIFORNIA
SHEET 1 OF 1 SHEETS

Figure 3:
Impaired Waters

COUNTY OF LOS ANGELES

SAN GABRIEL RIVER WATERSHED



REF: \\pwgisd02\mpmgis\MPMGIS\projects\mpm\gismaps\wk_2627\SanGabrielRiver_wtrshed.mxd DATE: 08/21/07

Mapping & Property Management Division, Mapping & GIS Services Section

Appendix A:
Volume and Flowrate Calculations & Hydrologic Report

The proposed development was analyzed for the 85th Percentile storm event using the LACDPW HydroCalc software. The governing design storm event is determined to be 85th percentile as it is greater than the 0.75 in storm event in accordance with the LA County BMP Design Manual. Below is a summary of the HydroCalc outputs:

85th Percentile Storm Event
0.87 in

DMA	85th Percentile Storm Event		
	Flowrate (cfs)	Design Capture Volume (cf)	1.5x Biofiltration Volume (cf)□
A	0.722	8,154.4	12,231.5
B	0.070	612.1	918.1

**The biofiltration volume capacity is conservatively designed with 1.5 times of the Design Capture Volume.*

The design capture volume (DCV) is fully retained with an interconnected pipe storage system onsite feeding the bio-filtration system via pump station prior to any overflow from the project development sites.

DMA	Design Capture Volume (cf)	Static Storage Volume (cf)	1.5x Biofiltration Volume (cf)□	Biofiltration Capacity (cf)□
A	8,154.4	12,712.8	12,231.5	12,712.8 ✓
B	612.1	1,005.3	918.1	1,230.6 ✓

**The biofiltration volume capacity is conservatively designed with 1.5 times of the Design Capture Volume.*

Refer to LACDPW HydroCalc Output Data within this Appendix for Volume and Flowrate Calculations.
Refer to Appendix C for Manufacturer's specifications and sizing of the pipe storage and bio-filtration system capacity.

Peak Flow Hydrologic Analysis

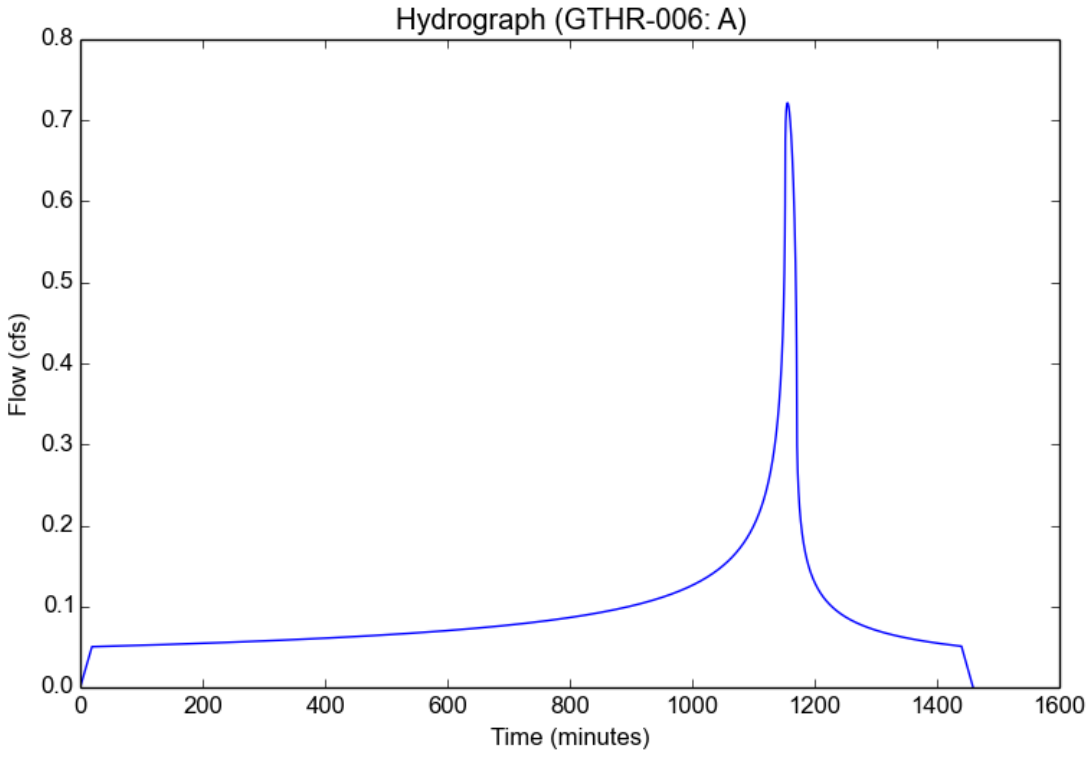
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	A
Area (ac)	3.304
Flow Path Length (ft)	225.0
Flow Path Slope (vft/hft)	0.0049
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.2772
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	19.0
Clear Peak Flow Rate (cfs)	0.7216
Burned Peak Flow Rate (cfs)	0.7216
24-Hr Clear Runoff Volume (ac-ft)	0.1872
24-Hr Clear Runoff Volume (cu-ft)	8154.3621



Peak Flow Hydrologic Analysis

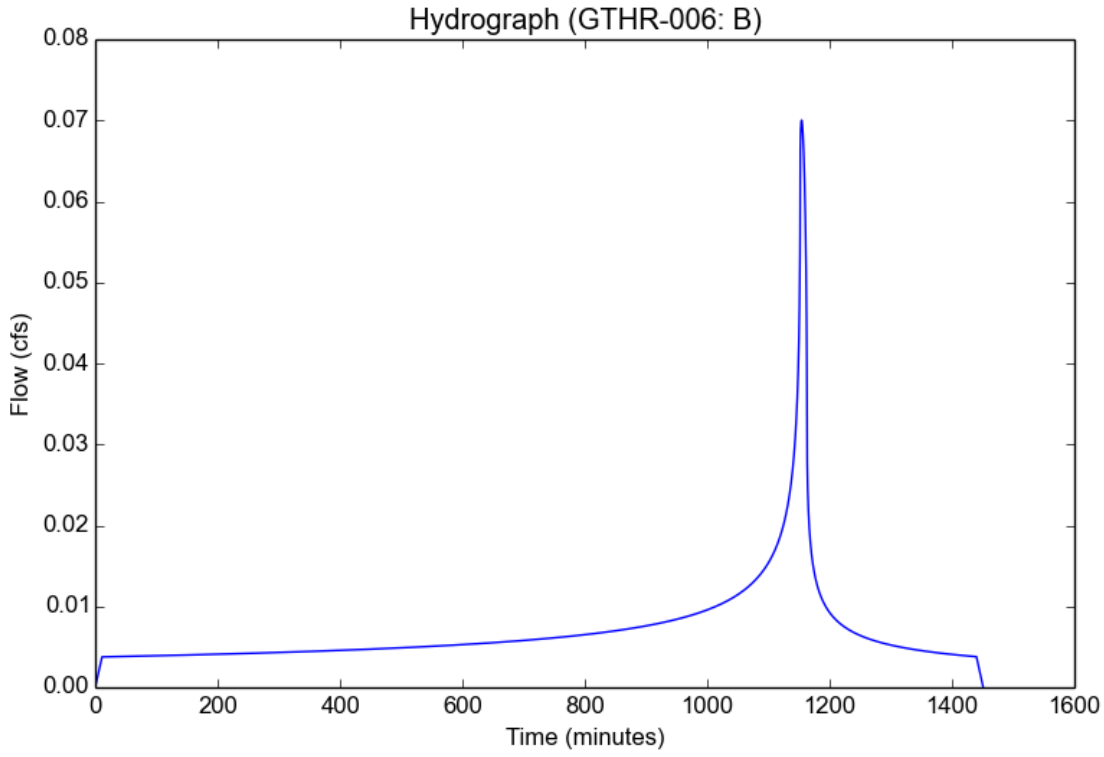
File location: P:/G/GTHR-006/Admin/Reports/Hydrology/Final/Appendix B - HydroCalc/GTHR-006 Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	GTHR-006
Subarea ID	B
Area (ac)	0.248
Flow Path Length (ft)	121.0
Flow Path Slope (vft/hft)	0.0149
85th Percentile Rainfall Depth (in)	0.87
Percent Impervious	0.86
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

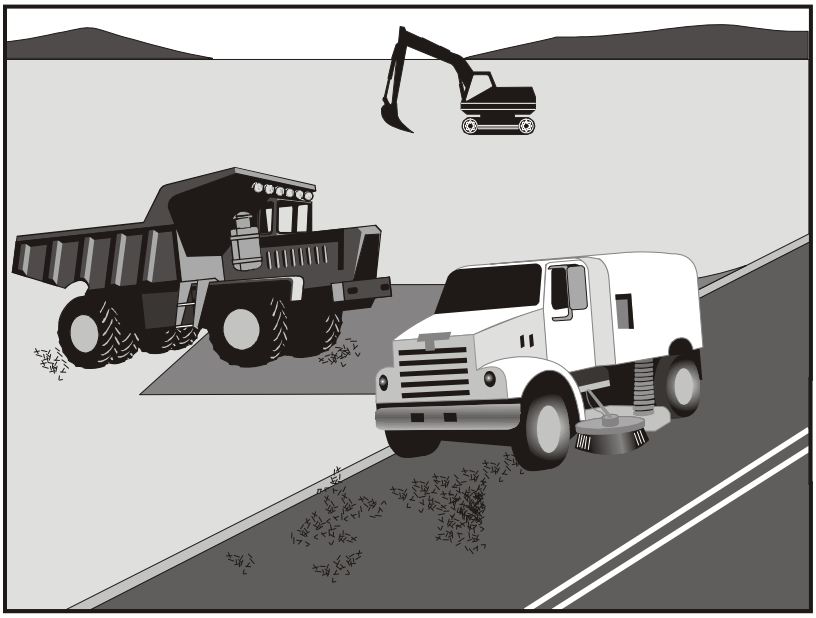
Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.87
Peak Intensity (in/hr)	0.3583
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.788
Time of Concentration (min)	11.0
Clear Peak Flow Rate (cfs)	0.07
Burned Peak Flow Rate (cfs)	0.07
24-Hr Clear Runoff Volume (ac-ft)	0.0141
24-Hr Clear Runoff Volume (cu-ft)	612.0689



Appendix B:
Site BMPs

Street Sweeping and Vacuuming SE-7



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.
- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

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CALIFORNIA STORMWATER QUALITY ASSOCIATION

- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

Site Design & Landscape Planning SD-10

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

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CALIFORNIA STORMWATER QUALITY ASSOCIATION

Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.

- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.

- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.

- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.

- Promote natural vegetation by using parking lot islands and other landscaped areas.

- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.

- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define “redevelopment” in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of “ redevelopment” must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under “designing new installations” above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11

Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Efficient Irrigation SD-12

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Designing New Installations

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Storm Drain Signage SD-13

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include “NO DUMPING

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– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.

- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

BIO-1: Biofiltration

Definition

A biofiltration area is a vegetated shallow depression that is designed to receive and treat stormwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow ponding zone is provided above the vegetated surface for temporary storage of stormwater runoff. During storm events, stormwater runoff accumulates in the ponding zone and gradually infiltrates the surface and filters through the biofiltration soil media before being collected by an underdrain system.

Stormwater runoff treatment occurs through a variety of natural mechanisms as stormwater runoff filters through the vegetation root zone. In biofiltration areas, microbes and organic material in the biofiltration soil media help promote the adsorption of pollutants (e.g., dissolved metals and petroleum hydrocarbons) into the soil matrix. Plants utilize soil moisture and promote the drying of the soil through transpiration. Biofiltration areas are typically planted with native, drought-tolerant plant species that do not require fertilization and can withstand wet soils for at least 96 hours.

A schematic of a typical biofiltration area is presented in Figure E-7.

LID Ordinance Requirements

Biofiltration can be used as an alternative compliance measure.

Pollutant of Concern	Treated by Biofiltration?
Suspended solids	No
Total phosphorus	No
Total nitrogen	Yes
Total Kjeldahl nitrogen	Yes
Cadmium, total	No
Chromium, total	Yes
Copper, total	No
Lead, total	Yes
Zinc, total	No

Source: Treatment Best Management Practices Performance, Los Angeles Regional Water Quality Control Board, December 9, 2013.

Advantages

- Has a low cost for installation
- Enhances site aesthetics
- Requires little maintenance

Disadvantages

- May require individual owner/tenants to perform maintenance

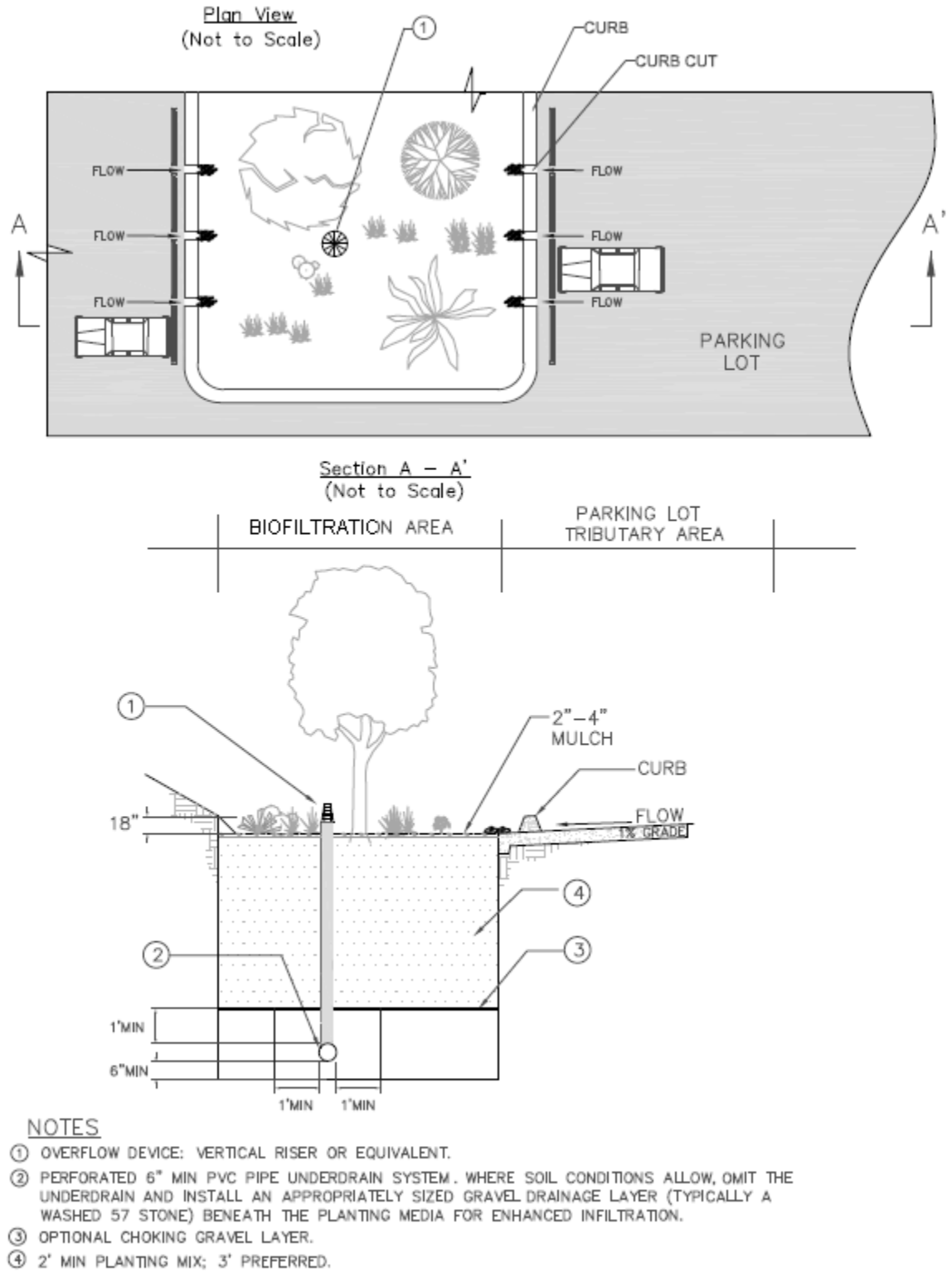


Figure E-7. Biofiltration Area Schematic

General Constraints and Implementation Considerations

- Biofiltration areas can be applied in various settings including, but not limited to:
  - Individual lots for rooftop, driveway, and other on-site impervious surface
  - Shared facilities located in common areas for individual lots
  - Areas within loop roads or cul-de-sacs
  - Landscaped parking lot islands
  - Within right-of-ways along roads
  - Common landscaped areas in apartment complexes or other multi-family housing designs
  - Parks and along open space perimeter
- If tire curbs are provided and parking stalls are shortened, cars are allowed to overhang the biofiltration area.
- Biofiltration areas must be located sufficiently far from structure foundations to avoid damage to structures (as determined by a certified structural or geotechnical engineer).
- Any parking areas bordering the biofiltration area must be monolithically poured concrete or deepended curb concrete to provide structural stability to the adjacent parking section.
- Geomembrane liners must be used in areas subject to spills or pollutant hot spots.
- During construction activities should avoid compaction of native soils below planting media layer or gravel zone.
- Stormwater runoff must be diverted around the biofiltration area during the period of vegetation establishment. If diversion is not feasible, the graded and seeded areas must be protected with suitable sediment controls (i.e., silt fences).All damaged areas should be repaired, seeded, or re-planted immediately.
- The general landscape irrigation system should incorporate the biofiltration area, as applicable.

Design Specifications

The following sections describe the design specifications for biofiltration areas.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for biofiltration. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the

groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of a biofiltration area. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning biofiltration system.

Biofiltration areas are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for a biofiltration area and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering a biofiltration area in order to maintain the infiltration rate of the biofiltration area. To ensure that biofiltration areas are effective, the project applicant must incorporate pretreatment devices that provide sediment removal (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices). The use of at least two pretreatment devices is highly recommended for biofiltration areas.

Geometry

- Biofiltration areas must be sized to capture and treat 1.5 times the SWQDv that is not reliably retained on the project site with an 18-inch maximum ponding depth.
- The planting soil depth must be a minimum of two feet, although three feet is preferred. The planting soil depth should provide a beneficial root zone for the chosen vegetation and adequate water storage for the stormwater runoff. A deeper planting soil depth will also provide a smaller surface area footprint.
- A gravel storage layer below the biofiltration area soil media is required to provide adequate temporary storage to retain 1.5 times the SWQDv that is not reliably retained on the project site and to promote infiltration.

Sizing

Biofiltration areas are sized using a simple sizing method where 1.5 times the SWQDv that is not reliably retained on the project site must be completely filtered within 96 hours. If the incoming stormwater runoff flow rate is lower than the long term filtration rate, above ground storage does not need to be provided. If the incoming stormwater runoff flow rate is higher than the long term filtration rate, above ground storage shall be provided (see steps below).

Step 1: Calculate the design volume

Biofiltration areas should be sized to capture and treat 1.5 times the portion of the SWQDv (see Section 6 for SWQDv calculation procedures) that is not reliability retained on the project site, as calculated by the equation below:

$$V_B = 1.5 \times (SWQDv - V_R)$$

Where:

V_B = Biofiltration volume [ft^3];
SWQDv = Stormwater quality design volume [ft^3]; and
V_R = Volume of stormwater runoff reliably retained on-site [ft^3].

Step 2: Calculate the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Select a surface ponding depth (d) that satisfies the geometric criteria and meets the site constraints. Selecting a deeper ponding depth (up to 1.5 ft) generally yields a smaller footprint, however, it will require greater consideration for public safety, energy dissipation, and plant selection.

Calculate the time for the selected ponding depth to filter through the planting media using the following equation:

$$\mathrm{d} = t_p \times \frac{\mathrm{f_{design}}}{12}$$

Where:

d = Ponding depth (max 1.5 ft) [ft];
t_p = Required detention time for surface ponding (max 96 hr) [hr]; and
f_{design} = Design infiltration rate [in/hr].

If t_p exceeds 96 hours, reduce surface ponding depth (d). In nearly all cases, t_p should not approach 96 hours unless f_{design} is low.

Calculate the required infiltrating surface (filter bottom area) using the following equation:

$$A = \frac{V_B}{d}$$

Where:

A = Bottom surface area of biofiltration area [ft^2];
V_B = Biofiltration design volume [ft^3]; and
d = Ponding depth (max 1.5 ft) [ft].

Flow Entrance and Energy Dissipation

Maintain a minimum slope of 1 percent for pervious surfaces and 0.5 percent for impervious surfaces to the biofiltration area inlet. The following types of flow entrance can be used for biofiltration cells:

- Level spreaders (i.e., slotted curbs) can be used to facilitate sheet flow.
- Dispersed, low velocity flow across a landscape area. Dispersed flow may not be possible given space limitations or if the biofiltration area is controlling roadway or parking lot flows where curbs are mandatory.
- Dispersed flow across pavement or gravel and past wheel stops for parking areas.
- Flow spreading trench around perimeter of biofiltration area. May be filled with pea gravel or vegetated with 3:1 side slopes similar to a swale. A vertical-walled open trench may also be used at the discretion of LACDPW.
- Curb cuts for roadside or parking lot areas, if approved by LACDPW: curb cuts should include rock or other erosion controls in the channel entrance to dissipate energy. Flow entrance should drop two to three inches from curb line and provide an area for settling and periodic removal of sediment and coarse material before flow dissipates to the remainder of the biofiltration area.
- Piped entrances, such as roof downspouts, should include rock, splash blocks, or other erosion controls at the entrance to dissipate energy and disperse flows.
- Woody plants (trees, shrubs, etc.) can restrict or concentrate flows and can be damaged by erosion around the root ball and must not be placed directly in the entrance flow path.

Drainage

Biofiltration areas must be designed to drain below the planting soil in less than 96 hours. Soils must be allowed to dry out periodically in order to restore hydraulic capacity to receive stormwater runoff from subsequent storm events, maintain infiltration rates, maintain adequate soil oxygen levels for healthy soil biota and vegetation, and provide proper soil conditions for biodegradation and retention of pollutants.

Underdrain

Biofiltration areas require an underdrain to collect and discharge stormwater runoff that has been filtered through the soil media, but not infiltrated, to another stormwater quality control measure, storm drain system, or receiving water. The underdrain must have a mainline diameter of eight inches using slotted PVC SDR 26 or PVC C9000. Slotted PVC allows for pressure water cleaning and root cutting, if necessary. The slotted pipe

should have two to four rows of slots cut perpendicular to the axis of the pipe or at right angles to the pitch of corrugations. Slots should be 0.04 to 0.1 inches wide with a length of 1 to 1.25 inches. Slots should be longitudinally-spaced such that the pipe has a minimum of one square inch opening per lineal foot and should face down.

The underdrain should be placed in a gravel envelope (Class 2 Permeable Material per Caltrans Spec. 68-1.025) that measures three feet wide and six inches deep. The underdrain is elevated from the bottom of the biofiltration area by six inches within the gravel envelope to create a fluctuating anaerobic/aerobic zone below the underdrain to facilitate denitrification within the anaerobic/anoxic zone and reduce nutrient concentrations. The top and sides of the underdrain pipe should be covered with gravel to a minimum depth of 12 inches. The underdrain and gravel envelope should be covered with a geomembrane liner to prevent clogging. The following aggregate should be used for the gravel envelope:

Particle Size (ASTM D422)	% Passing by Weight
¾ inch	100%
¼ inch	30-60%
#8	20-50%
#50	3-12%
#200	0-1%

Underdrains should be sloped at a minimum of 0.5 percent and must drain freely to an approved discharge point.

Rigid non-perforated observation pipes with a diameter equal to the underdrain diameter should be connected to the underdrain to provide a clean-out port as well as an observation well to monitor drainage rates. The wells/clean-outs should be connected to the perforated underdrain with the appropriate manufactured connections. The wells/clean-outs should extend six inches above the top elevation of the biofiltration area mulch, and should be capped with a lockable screw cap. The ends of underdrain pipes not terminating in an observation well/clean-out should also be capped.

Hydraulic Restriction Layer

Lateral infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent waterproofing, may be placed along the vertical walls to reduce lateral flows. This geomembrane liner must have a minimum thickness of 30 mils and meet the requirements of Table E-12. Generally, waterproof barriers should not be placed on the bottom of the biofiltration unit, as this would prevent incidental infiltration which is important to meeting the required pollutant load reduction.

Table E-12. Geomembrane Liner Specifications for Biofiltration Areas

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Planting/Storage Media

- The planting media placed in the biofiltration area should achieve a long-term, in-place infiltration rate of at least 5 in/hr. Higher infiltration rates of up to 12 in/hr are permissible. The biofiltration soil media must retain sufficient moisture to support vigorous plant growth.
- The planting media mix must consist of 60 to 80 percent sand and 20 to 40 percent compost.
- Sand should be free of wood, waste, coatings such as clay, stone dust, carbonate, or any other deleterious material. All aggregate passing the No. 200 sieve size should be non-plastic. Sand for biofiltration should be analyzed by an accredited laboratory using #200, #100, #40, #30, #16, #8, #4, and 3/8 sieves (ASTM D422 or as approved by the local permitting authority) and meet the following gradations (Note: all sand complying with ASTM C33 for fine aggregate comply with the gradation requirements listed below):

Particle Size (ASTM D422)	% Passing by Weight
3/8 inch	100%
#4	90-100%
#8	70-100%
#16	40-95%
#30	15-70%
#40	5-55%
#110	0-15%
#200	0-5%

Note: The gradation of the sand component of the biofiltration soil media is believed to be a major factor in the infiltration rate of the media mix. If the desired hydraulic conductivity of the biofiltration soil media cannot be achieved within the specified proportions of sand and compost (#2), then it may be necessary to utilize sand at the coarser end of the range specified minimum percent passing.

- Compost should be a well-decomposed, stable, weed-free organic matter source derived from waste materials including yard debris, wood wastes, or other organic material not including manure or biosolids meeting standards developed by the USCC. The product shall be certified through the USCC STA Program (a compost testing and information disclosure program). Compost quality shall be verified via a laboratory analysis to be:
    - Feedstock materials must be specified and include one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
    - pH between 6.5 and 8.0 (may vary with plant palette)
    - Organic Matter: 35 to 75 percent dry weight basis
    - Carbon and Nitrogen Ratio: 15:1 < C:N < 25:1
    - Maturity/Stability: Compost must have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120°F) upon delivery or rewetting is not acceptable.
    - Toxicity: any one of the following measures is sufficient to indicate non-toxicity:
        - NH_4:NH_3 < 3
        - Ammonium < 500 ppm, dry weight basis
        - Seed germination > 80 percent of control
        - Plant trials > 80 percent of control
        - Solvita® > 5 index value
    - Nutrient content:
        - Total Nitrogen content ≥ 0.9 percent preferred
        - Total Boron should be < 80 ppm; soluble boron < 2.5 ppm
    - Salinity: < 6.0 mmhos/cm
    - Compost for biofiltration area should be analyzed by an accredited laboratory using #200, ¼-inch, ½-inch, and 1-inch sieves (ASTM D422) and meet the gradation requirements in the table below:

Particle Size (ASTM D422)	% Passing by Weight
1 inch	99-100
½ inch	90-100
¼ inch	40-90
#200	2-10

Tests should be sufficiently recent to represent the actual material that is anticipated to be delivered to the site. If processes or sources used by the supplier have changed significantly since the most recent testing, new tests should be requested.

The gradation of compost used in biofiltration soil media is believed to play an important role in the saturated infiltration rate of the media. To achieve a higher saturated infiltration rate, it may be necessary to utilize compost at the coarser end of the range (minimum percent passing). The percent passing the #200 sieve (fines) is believed to be the most important factor in hydraulic conductivity.

In addition, coarser compost mix provides more heterogeneity of the biofiltration soil media, which is believed to be advantageous for more rapid development of soil structure needed to support healthy biological processes. This may be an advantage for plant establishment with lower nutrient and water input.

- Biofiltration soil media not meeting the above criteria should be evaluated on a case-by-case basis. Alternative biofiltration soil media must meet the following specifications:

  "Soils for biofiltration facilities must be sufficiently permeable to infiltrate stormwater runoff at a minimum of rate of 5 in/hr during the life of the facility, and provide sufficient retention of moisture and nutrients to support healthy vegetation." The following steps shall be followed by LACDPW to verify that alternative biofiltration soil media mixes meet the specification:

  - Submittals – The applicant must submit to LACDPW for approval:
    - A sample of mixed biofiltration soil media.
    - Certification from the soil supplier or an accredited laboratory that the biofiltration soil media meets the requirements of this specification.
    - Certification from an accredited geotechnical testing laboratory that the biofiltration soil media has an infiltration rate between 5 and 12 in/hr.
    - Organic content test results of the biofiltration soil media. Organic content test shall be performed in accordance with the Testing Methods for the Examination of Compost and Composting (TMECC) 05.07A, "Loss-On-Ignition Organic Matter Method".
    - Organic grain size analysis results of mixed biofiltration soil media performed in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
    - A description of the equipment and methods used to mix the sand and compost to produce the biofiltration soil media.
  - The name of the testing laboratory(ies) and the following information:

- Contact person(s)
- Address(es)
- Phone contact(s)
- E-mail address(es)
- Qualifications of laboratory(ies) and personnel including date of current certification by STA, ASTM, or approved equal.

o Biofiltration soils shall be analyzed by an accredited laboratory using #200 and ½-inch sieves (ASTM D422 or as approved by LACDPW), and meet the gradation described in the table below:

Particle Size (ASTM D422)	% Passing by Weight
½ inch	97-100
#200	2-5

- Biofiltration soil media shall be analyzed by an accredited geotechnical laboratory for the following tests:
  - o Moisture – density relationships (compaction tests) must be conducted on biofiltration soil media. Biofiltration soil media for the permeability test shall be compacted to 85 to 90 percent of the maximum dry density (ASTM D1557).
  - o Constant head permeability testing in accordance with ASTM D2434 shall be conducted on a minimum of two samples with a 6-inch mold and vacuum saturation.
- Mulch is recommended for the purpose of retaining moisture, preventing erosion, and minimizing weed growth. Projects subject to the California Model Water Efficiency Landscaping Ordinance (or comparable local ordinance) will be required to provide at least 2 inches of mulch. Aged mulch, also called compost mulch, reduces the ability of weeds to establish, keeps soil moist, and replenishes soil nutrients. Biofiltration areas must be covered with two to four inches (average three inches) of mulch at the start and an annual placement (preferably in June after weeding) of one to two inches of mulch beneath plants.
- The planting media design height must be marked appropriately, such as a collar on the overflow device or with a stake inserted two feet into the planting media and notched, to show biofiltration surface level and ponding level.

Vegetation

Prior to installation, a licensed landscape architect must certify that all plants, unless otherwise specifically permitted, conform to the standards of the current edition of American Standard for Nursery Stock as approved by the American Standards Institute, Inc. All plant grades shall be those established in the current edition of American Standards for Nursery Stock.

- Shade trees must have a single main trunk. Trunks must be free of branches below the following heights:

CALIPER (in)	Height (ft)
1½-2½	5
3	6

- Plants must be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 96 hours.
- It is recommended that a minimum of three types of tree, shrubs, and/or herbaceous groundcover species be incorporated to protect against facility failure due to disease and insect infestations of a single species.
- Native plant species and/or hardy cultivars that are not invasive and do not require chemical inputs must be used to the maximum extent practicable.

The biofiltration area should be vegetated to resemble a terrestrial forest community ecosystem, which is dominated by understory trees, a shrub layer, and herbaceous ground cover. Select vegetation that:

- Is suited to well-drained soil;
- Will be dense and strong enough to stay upright, even in flowing water;
- Has minimum need for fertilizers;
- Is not prone to pests and is consistent with Integrated Pest Management practices; and
- Is consistent with local water conservation ordinance requirements.

Irrigation System

Provide an irrigation system to maintain viability of vegetation, if applicable. The irrigation system must be designed to local code or ordinance specifications.

Restricted Construction Materials

The use of pressure-treated wood or galvanized metal at or around a biofiltration area is prohibited.

Overflow Device

An overflow device is required at the 18-inch ponding depth. The following, or equivalent, should be provided:

- A vertical PVC pipe (SDR 26) to act as an overflow riser.
- The overflow riser(s) should be eight inches or greater in diameter, so it can be cleaned without damage to the pipe.

- The inlet to the riser should be at the ponding depth (18 inches for fenced biofiltration areas and 6 inches for areas that are not fenced), and be capped with a spider cap to exclude floating mulch and debris. Spider caps should be screwed in or glued (e.g., not removable). The overflow device should convey stormwater runoff in excess of 1.5 times the SWQDv that is not reliably retained on the project site to an approved discharge location (another stormwater quality control measure, storm drain system, or receiving water).

Maintenance Requirements

Maintenance and regular inspections are important for proper function of biofiltration areas. Biofiltration areas require annual plant, soil, and mulch layer maintenance to ensure optimal infiltration, storage, and pollutant removal capabilities. In general, biofiltration maintenance requirements are typical landscape care procedures and include:

- Irrigate plants as needed during prolonged dry periods. In general, plants should be selected to be drought-tolerant and not require irrigation after establishment (two to three years).
- Inspect flow entrances, ponding area, and surface overflow areas periodically, and replace soil, plant material, and/or mulch layer in areas if erosion has occurred. Properly-designed facilities with appropriate flow velocities should not cause erosion except potentially during in extreme events. If erosion occurs, the flow velocities and gradients within the biofiltration area and flow dissipation and erosion protection strategies in the pretreatment area and flow entrance should be reassessed. If sediment is deposited in the biofiltration area, identify the source of the sediment within the tributary area, stabilize the source, and remove excess surface deposits.
- Prune and remove dead plant material as needed. Replace all dead plants, and if specific plants have a high mortality rate, assess the cause and, if necessary, replace with more appropriate species.
- Remove weeds as needed until plants are established. Weed removal should become less frequent if the appropriate plant species are used and planting density is attained.
- Select the proper soil mix and plants for optimal fertility, plant establishment, and growth to preclude the use of nutrient and pesticide supplements. By design, biofiltration facilities are located in areas where phosphorous and nitrogen levels are often elevated such that these should not be limiting nutrients. Addition of nutrients and pesticides may contribute pollutant loads to receiving waters.
- In areas where heavy metals deposition is likely (i.e., tributary areas to industrial, vehicle dealerships/repair, parking lots, roads), replace mulch annually. In areas where metals deposition is less likely (i.e., residential lots), replace or add mulch as needed to maintain a two to three inch depth at least once every two years.

- Analyze soil for fertility and pollutant levels if necessary. Biofiltration soil media are designed to maintain long-term fertility and pollutant processing capability.
- Eliminate standing water to prevent vector breeding.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.
- Inspect, and clean if necessary, the underdrain.

A summary of potential problems that need to be addressed by maintenance activities is presented in Table E-13.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-13. Biofiltration Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Vegetation	Overgrown vegetation	Mow and prune vegetation as appropriate.
	Presence of invasive, poisonous, nuisance, or noxious vegetation or weeds	Remove this vegetation and plant native species as needed.
Trash and Debris	Trash, plant litter, and dead leaves present	Remove and properly dispose of trash and debris.
Irrigation (if applicable)	Not functioning correctly	Check irrigation system for clogs or broken lines and repair as needed.
Inlet/Overflow	Inlet/overflow areas clogged with sediment and/or debris	Remove material.
	Overflow pipe blocked or broken	Repair as needed.
Erosion/Sediment Accumulation	Splash pads or spreader incorrectly placed Presence of erosion or sediment accumulation	Check inlet structure to ensure proper function. Repair, or replace if necessary, the inlet device. Repair eroded areas with gravel as needed. Re-grade the biofiltration area as needed.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination from floatables such as oil and grease.
Standing water	Standing water observed more than 96 hours after storm event	Inspect, and clean as needed, the underdrain to ensure proper function. Clear clogs as needed. Remove and replace planter media (sand, gravel, topsoil, mulch) and vegetation.

Appendix C:
WetlandMOD System, Pipe Detention System

Project specific details and pre-treatment system detail to be provided prior to final approval.

CONTECH®
ENGINEERED SOLUTIONS

Modular Wetlands® Linear Stormwater Biofiltration

The experts you need to solve your stormwater challenges

Contech is the leader in stormwater solutions, helping engineers, contractors and owners with infrastructure and land development projects throughout North America.

With our responsive team of stormwater experts, local regulatory expertise and flexible solutions, Contech is the trusted partner you can count on for stormwater management solutions.

Your Contech Team

STORMWATER CONSULTANT

It's my job to recommend the best solution to meet permitting requirements.

STORMWATER DESIGN ENGINEER

I work with consultants to design the best approved solution to meet your project's needs.

REGULATORY MANAGER

I understand the local stormwater regulations and what solutions will be approved.

SALES ENGINEER

I make sure our solutions meet the needs of the contractor during construction.

Contech is your partner in stormwater management solutions

Restoring Nature's Presence in Urban Areas – Modular Wetlands® Linear

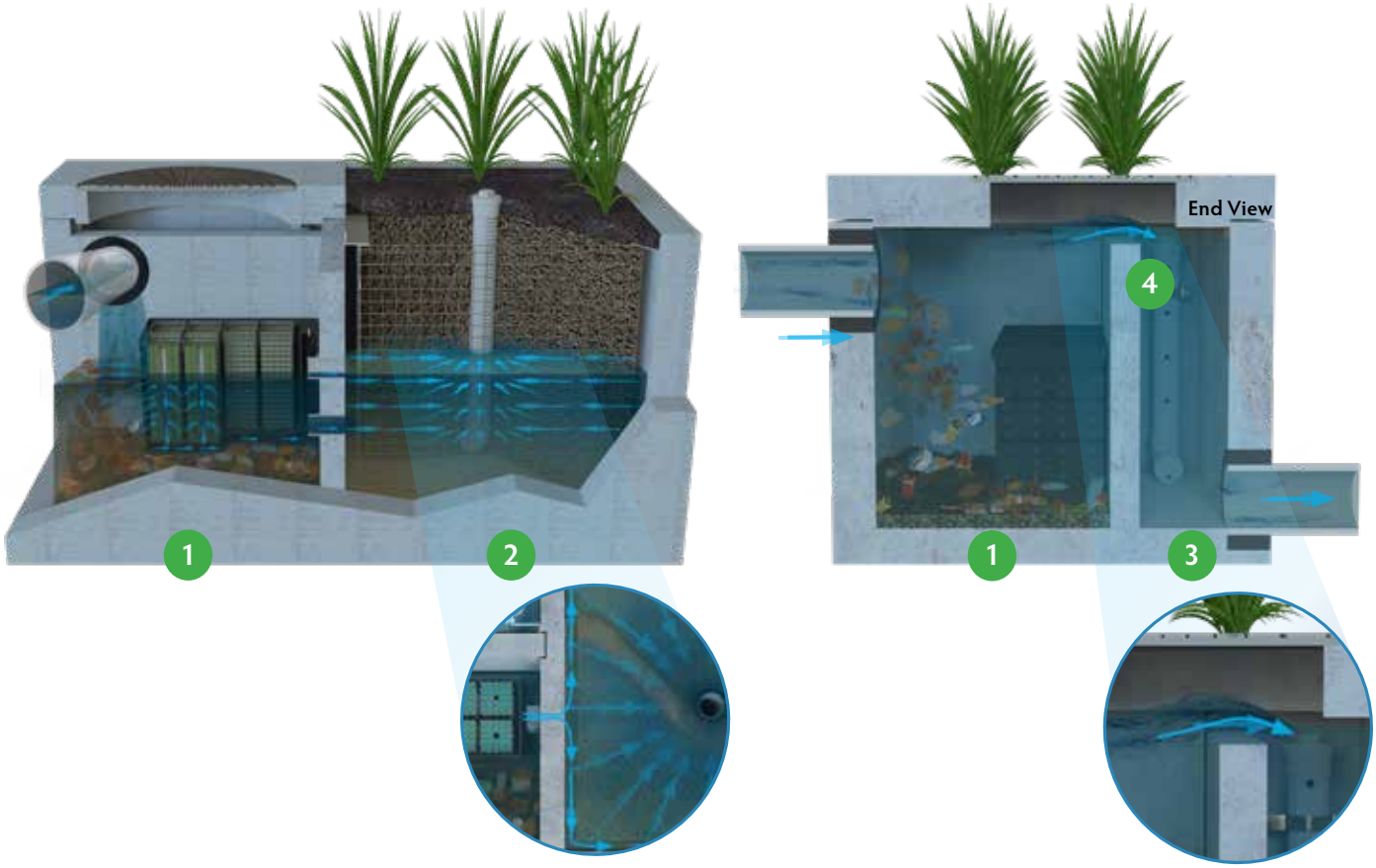
As cities grow, there is less space for natural solutions to treat stormwater. Contech understands this and is committed to providing compact, Low Impact Development (LID) solutions like the Modular Wetlands Linear to protect our nation's waterways.

The Modular Wetlands® Linear is the only biofiltration system to utilize patented horizontal flow, allowing for a small footprint, high treatment capacity, and design versatility. It is also the only biofiltration system that can be routinely installed downstream of storage for additional volume control and treatment.

With numerous regulatory approvals, the system's aesthetic appeal and superior pollutant removal make it the ideal solution for a wide range of stormwater applications, including urban development projects, commercial parking lots, residential streets, mixed-use developments, streetscapes, and more.

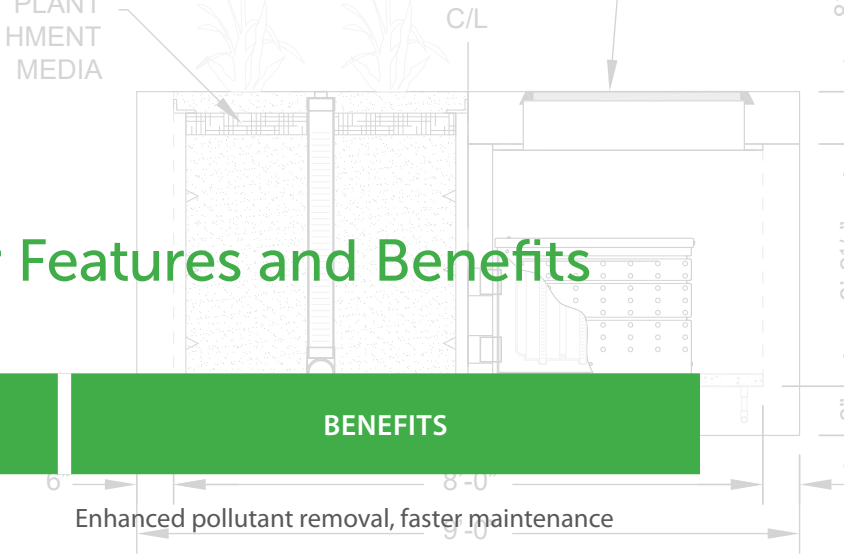
MODULAR WETLANDS®

How the Modular Wetlands® Linear Works



1. **PRETREATMENT** | Stormwater enters the pretreatment chamber where total suspended solids settle, and trash and debris are contained within the chamber. Stormwater then travels through the pretreatment filter boxes that provide additional treatment.
2. **BIOFILTRATION** | As water enters the biofiltration chamber, it fills the void space in the chamber's perimeter. Horizontal forces push the water inward through the biofiltration media, where nutrients and metals are captured. The water then enters the drain pipe to be discharged.
3. **DISCHARGE** | The specially designed vertical drain pipe and orifice control plate control the flow of water through the media to a level lower than the media's capacity, ensuring media effectiveness. The water then enters the horizontal drain pipe to be discharged.
4. **BYPASS** | During peak flows, an internal weir in the side-by-side configuration allows high flows to bypass treatment, eliminating flooding and the need for a separate bypass structure. Bypass is not provided in the end-to end configuration.

Using horizontal flow to improve performance



Modular Wetlands® Linear Features and Benefits

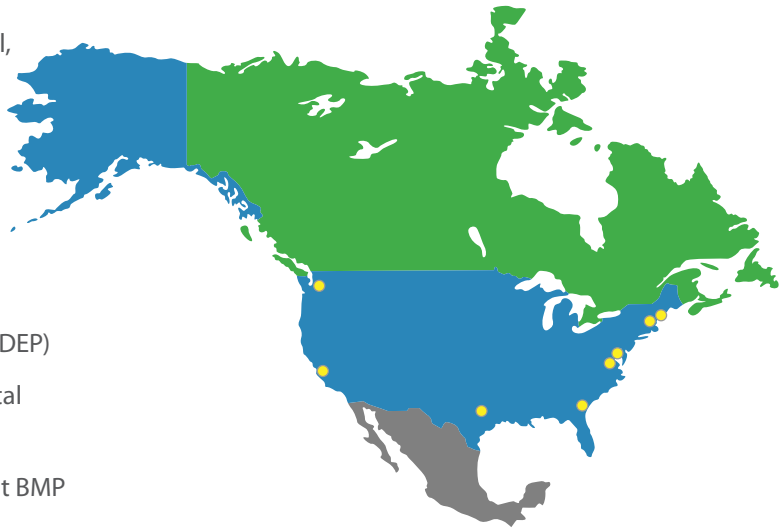
FEATURE	BENEFITS
Pretreatment chamber	Enhanced pollutant removal, faster maintenance
Horizontal flow biofiltration	Greater filter surface area
Performance verified by both the WA DOE and NJ DEP	Superior pollutant capture with confidence
Built-in high flow bypass	Eliminates flooding and the need for a separate bypass structure
Available in multiple configurations and sizes	Flexibility to meet site-specific needs

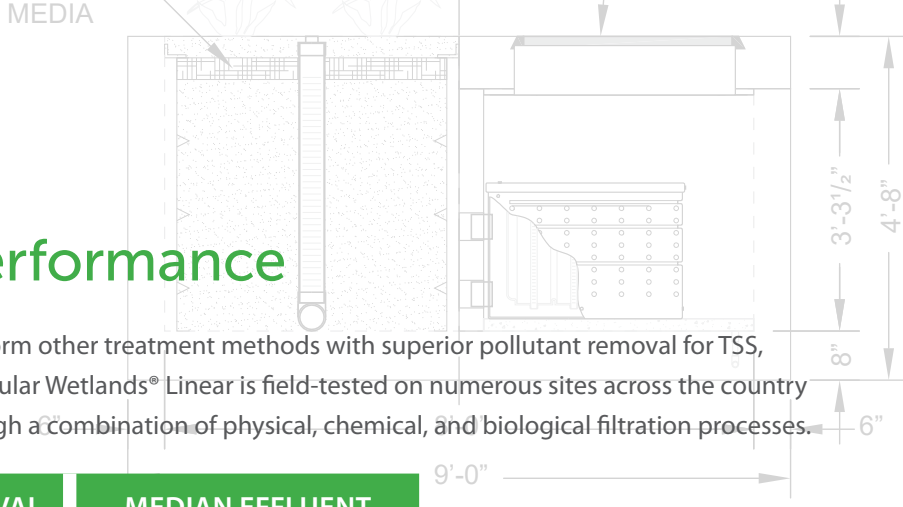
The Modular Wetlands system offers many different configurations.

Select Modular Wetlands® Linear Approvals

Modular Wetlands Linear is approved through numerous local, state and federal programs, including but not limited to:

- Washington State Department of Ecology TAPE
- California Water Resources Control Board, Full Capture Certification
- Virginia Department of Environmental Quality (VA DEQ)
- New Jersey Department of Environmental Protection (NJDEP)
- Maryland Department of the Environment - Environmental Site Design (ESD)
- Rhode Island Department of Environmental Management BMP
- Texas Commission on Environmental Quality (TCEQ)
- Atlanta Regional Commission Certification





Modular Wetlands® Performance

The Modular Wetlands® Linear continues to outperform other treatment methods with superior pollutant removal for TSS, heavy metals, nutrients, and hydrocarbons. The Modular Wetlands® Linear is field-tested on numerous sites across the country and is proven to effectively remove pollutants through a combination of physical, chemical, and biological filtration processes.

POLLUTANT OF CONCERN	MEDIAN REMOVAL EFFICIENCY	MEDIAN EFFLUENT CONCENTRATION (MG/L)
Total Suspended Solids (TSS)	89%	12
Total Phosphorus - TAPE (TP)	61%	0.041
Nitrogen (TN)	23%	1
Total Copper (TCu)	50%	0.006
Total Dissolved Copper	37%	0.006
Total Zinc (TZn)	66%	0.019
Dissolved Zinc	60%	0.0148
Motor Oil	79%	0.8

Sources:
TAPE Field Study - 2012
TAPE Field Study - 2013

Note: Some jurisdictions recognize higher removal rates. Contact your Contech Stormwater Consultant for performance expectations.

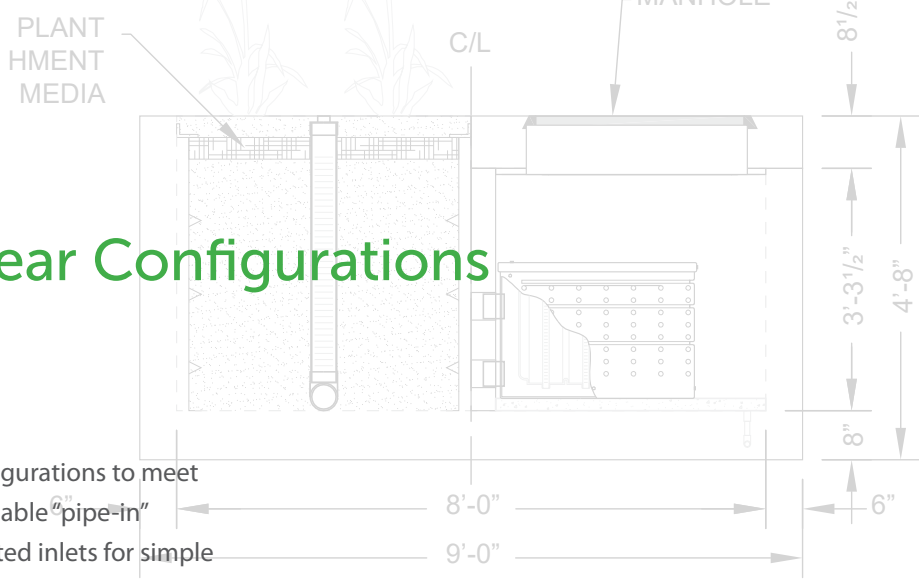
Modular Wetlands® Linear Maintenance

The Modular Wetlands® Linear is a self-contained treatment train. Maintenance requirements for the unit consist of five simple steps that can be completed using a vacuum truck. The system can also be cleaned by hand.

- Remove trash from the screening device
- Remove sediment from the separation chamber
- Periodically replace the pretreatment cartridge filter media
- Replace the drain down filter media
- Trim vegetation

Most Modular Wetland Linear systems can be cleaned in about thirty minutes.

Multiple configurations allow for easy site integration



Modular Wetlands® Linear Configurations

Multiple system configurations integrate with site hydraulic design and layout ...

The Modular Wetlands Linear is offered in multiple configurations to meet site specific needs. This highly versatile system has available "pipe-in" options on most models, along with built-in curb or grated inlets for simple integration into your storm drain design.

Curb Inlet

The Curb Inlet configuration accepts sheet flow through a curb opening and is commonly used along roadways and parking lots. It can be used in sump or flow-by conditions.

Vault

The Vault configuration can be used in end-of-the-line installations. Another benefit of the "pipe-in" design is the ability to install the system downstream of underground detention systems to meet water quality volume requirements, or for traffic-rated designs (no plants).

Downspout

The Downspout configuration is designed to accept a vertical downspout pipe from rooftop and podium areas. Some models have the option of utilizing an internal bypass, simplifying the overall design. The system can be installed as a raised planter, and the exterior can be stuccoed or covered with other finishes to match the look of adjacent buildings.

A partner you can rely on

STORMWATER SOLUTIONS

PIPE SOLUTIONS

STRUCTURES SOLUTIONS

Few companies offer the wide range of high-quality stormwater resources you can find with us — state-of-the-art products, decades of expertise, and all the maintenance support you need to operate your system cost-effectively.

THE CONTECH WAY

Contech® Engineered Solutions provides innovative, cost-effective site solutions to engineers, contractors, and developers on projects across North America. Our portfolio includes bridges, drainage, erosion control, retaining wall, sanitary sewer and stormwater management products.

TAKE THE NEXT STEP

For more information: www.ContechES.com

NOTHING IN THIS CATALOG SHOULD BE CONSTRUED AS A WARRANTY. APPLICATIONS SUGGESTED HEREIN ARE DESCRIBED ONLY TO HELP READERS MAKE THEIR OWN EVALUATIONS AND DECISIONS, AND ARE NEITHER GUARANTEES NOR WARRANTIES OF SUITABILITY FOR ANY APPLICATION. CONTECH MAKES NO WARRANTY WHATSOEVER, EXPRESS OR IMPLIED, RELATED TO THE APPLICATIONS, MATERIALS, COATINGS, OR PRODUCTS DISCUSSED HEREIN. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE ARE DISCLAIMED BY CONTECH. SEE CONTECH'S CONDITIONS OF SALE (AVAILABLE AT WWW.CONTECHES.COM/COS) FOR MORE INFORMATION.

CONTECH® ENGINEERED SOLUTIONS

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WetlandMod Volume Based Sizing Calculations -

Los Angeles County, California (5 in/hr)

Model #	Physical Depth of Model from TC, FS, or TC to INVERT OUT	Wetland Chamber Perimeter (ft)	**Wetland Chamber Max HGL Height (ft)	Wetland Chamber Surface Area (sq ft)	Recommended Max Water Quality Volume (cu ft) where :	Recommended Max Water Quality Volume (cu ft) where :
					Drain Down Time = 72 Hours	Drain Down Time = 96 Hours
WM-4-4	4.13□	6.7	3.40	22.78	657.82	877.09
WM-4-6	4.13□	9.4	3.40	31.96	922.91	1230.55
WM-4-8	4.13□	14.8	3.40	50.32	1453.09	1937.45
WM-4-13	4.13□	18.4	3.40	62.56	1806.55	2408.73
WM-4-15	4.13□	22.4	3.40	76.16	2199.27	2932.36
WM-4-17	4.13□	26.4	3.40	89.76	2592.00	3456.00
WM-4-19	4.13□	30.4	3.40	103.36	2984.73	3979.64
WM-4-21	4.13□	34.4	3.40	116.96	3377.45	4503.27
WM-6-8	4.13□	18.8	3.40	63.92	1845.82	2461.09
WM-8-8	4.13□	29.6	3.40	100.64	2906.18	3874.91
WM-8-12	4.13□	44.4	3.40	150.96	4359.27	5812.36
WM-8-16	4.13□	59.2	3.40	201.28	5812.36	7749.82
WM-8-20	4.13□	74.0	3.40	251.60	7265.45	9687.27
WM-8-24	4.13□	88.8	3.40	301.92	8718.55	11624.73

Shallow or Deeper □nits Available. Change in Height Will Affect Treatment Capacity

□□Not the physical height of the unit but the max HGL in the system at peak treatment flow rate

Modular Wetland Systems, Inc. **Copyright 2013** **www.modularwetlands.com**

info@modularwetlands.com **P: 760-433-7640** **2972 San Luis Rey Rd, Oceanside CA 92058**

STORM WATER COLLECTION AND TREATMENT SYSTEM

11709 Artesia Blvd. City of Artesia, County of Los Angeles, CA

12,712.8 cu ft

SPECIFICATION FOR CISTERN SYSTEM

THIS DOCUMENT WILL GOVERN THE FURNISHING AND INSTALLATION OF ALUMINIZED CORRUGATED METAL PIPE CISTERNS FOR UNDERGROUND WATER STORAGE FOR NOMINAL DIAMETERS 12" (300MM) THROUGH 120" (3000MM).

THE MANUFACTURER OF THE CISTERN SYSTEM SHALL BE ONE THAT HAS REGULARLY BEEN ENGAGED IN THE ENGINEERING DESIGN AND PRODUCTION OF THESE SYSTEMS AND WHICH HAS A HISTORY OF SUCCESSFUL PRODUCTION, ACCEPTABLE TO THE ENGINEER OF RECORD (EOR). IN ACCORDANCE WITH THE DRAWINGS, THE CISTERN SYSTEM SHALL BE SUPPLIED BY: SANTA FE WATER SYSTEMS, 10244 FREEMAN AVE, SANTA FE SPRINGS, CA 90670.
TEL: 1-562-777-9724

SAMPLING, TESTING, AND INSPECTION OF MATERIALS USED FOR MANUFACTURING OF THE CISTERN SYSTEM SHALL BE IN ACCORDANCE WITH APPLICABLE ASTM SPECIFICATIONS. ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES UNLESS OTHERWISE NOTED.

THE CISTERN SHALL BE CAPABLE OF INSTALLATION IN SOIL WITH A pH RANGE OF 5 TO 9. FOR SOIL pH OUTSIDE THE RANGE OF 5 TO 9, CONSULT WITH SPECIFYING ENGINEER PRIOR TO ORDERING TO DETERMINE IF ADDITIONAL CISTERN COATING SYSTEM NEED BE CONSIDERED.

THE HYDRAULIC SYSTEM SHALL BE PRE-ASSEMBLED AND TESTED AT FACTORY PRIOR TO SHIPMENT. INSPECTION AND TESTING PROTOCOLS SHALL BE DECIDED BY THE SPECIFYING ENGINEER ACCORDING TO SYSTEM REQUIREMENTS. A COPY OF THE TEST REPORT MUST BE PROVIDED TO THE ENGINEER OF RECORD IF REQUESTED.

UPON REQUEST, THE CISTERN SYSTEM INLETS SHALL BE EQUIPPED WITH AN INLET CALMING DEVICE TO ALLOW INTRODUCTION OF WATER TO THE TANK WITH LITTLE TO NO TURBULENCE.

THE CISTERN SYSTEM SHALL BE FITTED WITH A MIN. 4" OUTLET OR PERFORATED MANHOLE COVERS FOR VENTING, DEPENDANT UPON SITE CONDITIONS AND DIRECTION BY SPECIFYING ENGINEER. OVERFLOW PIPE SHALL BE PROVIDED UPON REQUEST BY SPECIFYING ENGINEER.

SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.

ACCESS COVERS SHALL BE A MINIMUM OF 24-INCH DIAMETER TO PROVIDE ADEQUATE INSPECTION AND MAINTENANCE WITHOUT RESTRICTIONS AND OBSTRUCTIONS TO ENTRY INTO INTERIOR OF THE CISTERN. COVERS SHALL BE WATERTIGHT, DO NOT SLIDE, ROTATE, OR FLIP OPEN AND ARE CAPABLE OF SUPPORTING DESIGN LOADS.

PRIOR TO SHIPMENT, CISTERN SYSTEM MAY BE INSPECTED AT FACTORY BY OWNER'S AUTHORIZED REPRESENTATIVE UPON REQUEST.

INSTALLATION

THE CONTRACTOR SHALL FOLLOW OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION (OSHA) GUIDELINES FOR SAFE PRACTICES IN EXECUTING THE INSTALLATION PROCESS IN ACCORDANCE WITH THE MANUFACTURER/SUPPLIER INSTALLATION RECOMMENDATIONS.

A NON-WOVEN GEOTEXTILE FILTER FABRIC IS RECOMMENDED TO BE INSTALLED IN EXCAVATION, OR OTHER MEASURES SHOULD BE TAKEN, TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE INITIAL BACKFILL MATERIAL, WHEN REQUIRED BY THE GEOTECHNICAL ENGINEER OR E.O.R.

TRENCH BOTTOM (FOUNDATION) WITH UNSTABLE OR UNYIELDING MATERIAL SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNSTABLE MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE TRENCH BOTTOM, IF DIRECTED BY THE ENGINEER.

SUITABLE BEDDING MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321.
MINIMUM BEDDING THICKNESS SHALL BE 4" (100 mm) AS MEASURED FROM OUTER PIPE DIAMETER.

INITIAL BACKFILL MATERIAL SHALL BE CLASS I OR II, AS SPECIFIED BY ASTM D2321. COMPACTION AND BACKFILL LIFTS SHALL BE IN ACCORDANCE WITH ASTM D2321. INITIAL BACKFILL SHALL EXTEND TO NOT LESS THAN 6" (150 mm) ABOVE THE TOP OF THE CISTERN.

MINIMUM COVER FOR UP TO H-25 TRAFFIC APPLICATIONS:
- 12" FOR PIPE DIAMETER UP TO 96" DIAMETER
- 18" FOR DIAMETER OVER 96".

MINIMUM COVER SHALL BE MEASURED FROM THE TOP OF THE PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO THE TOP OF RIGID PAVEMENT. ADDITIONAL COVER MAY BE REQUIRED FOR CONSTRUCTION LOADS, FOR VEHICLES OVER 75T (68 metric tons) OR TO PREVENT FLOATATION.

FINAL BACKFILL MATERIAL SHALL BE SUITABLE MATERIALS AS DIRECTED BY THE ENGINEER OR AS INDICATED BY MANUFACTURER. FOR AREAS SUBJECTED TO HEAVY TRAFFIC LOADING, A HIGHER DEGREE OF COMPACTION IS NECESSARY AND A SEPARATION LAYER OF NON-WOVEN GEOTEXTILE MAY BE REQUIRED. COMPACTION LEVELS AND/OR GEOTEXTILE MAY BE SPECIFIED AT THE DISCRETION OF THE DESIGN ENGINEER OR MANUFACTURER'S REPRESENTATIVE.

CONSULT THE INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

GENERAL NOTES

STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER. ALL COMPONENTS OF THE STORM WATER MANAGEMENT SYSTEM SHALL BE DESIGNED AND SUPPLIED BY SANTA FE WATER SYSTEMS (SFWS), EXCEPT WHERE NOTED. ANY DEVIATION, OMISSION OR SUBSTITUTION SHALL VOID TWO-YEAR WARRANTY. TWO-YEAR WARRANTY SHALL COVER THE COMPLETE SYSTEM ACCORDING TO THE PERFORMANCE PARAMETERS INDICATED ON THE DRAWING SET AS ENGINEERED BY SFWS, WHEN INSTALLED IN ACCORDANCE WITH THE SFWS DESIGN. THE WARRANTY INCLUDES ALL PARTS AND LABOR OF SHOP ASSEMBLED ITEMS AND EXCLUDES INSTALLATION OF COMPONENTS BY CONTRACTOR UNLESS OTHERWISE NOTED ON PLANS. WARRANTY COVERAGE REQUIRES REGULAR DOCUMENTED MAINTENANCE OF THE FULL SYSTEM PERFORMED BY THE OWNER OR AUTHORIZED MAINTENANCE CONTRACTOR.

PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR TO REVIEW MANUFACTURER'S INSTALLATION GUIDE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROJECT ENGINEER TO ENSURE THAT ALL QUESTIONS ABOUT INSTALLATION ARE ADDRESSED PRIOR TO APPROVAL OF SYSTEM. ALL DETAILS FOR INSTALLATION ARE LOCATED IN THIS DRAWING PACKAGE, OR UPON REQUEST TO PIPING MANUFACTURER. ANY QUESTIONS CONCERNING THESE STANDARD DETAILS CAN BE ADDRESSED BY THE CISTERN MANUFACTURER'S REPRESENTATIVE PRIOR TO APPROVAL.

ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.

PRIOR TO INSTALLATION OF THE SYSTEM, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.

CONTRACTOR(S) SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE CISTERN SYSTEM, APPURTENANCES AND INCIDENTALS IN ACCORDANCE WITH THE DRAWINGS AND AS SPECIFIED HEREIN.

A STORM WATER TREATMENT DEVICE UPSTREAM OF THE CISTERN SYSTEM IS RECOMMENDED AS THE APPROPRIATE MEANS OF PRETREATING TO EXTEND THE MAINTENANCE INTERVAL ON THE SYSTEM AND REDUCE LIFE CYCLE COSTS. BOTH ENGINEERED SOLUTIONS SHALL BE PROVIDED BY A SINGLE SUPPLIER/MANUFACTURER.

PRIOR TO SYSTEM START UP, ANY ACCUMULATED WATER AND DEBRIS SHALL BE REMOVED FROM THE CISTERN TANK(S) AND ANY ACCOMPANYING TREATMENT SYSTEMS AND PUMP VAULTS.

BELOW GRADE SYSTEM MARKING TAPE, IF REQUIRED BY LOCAL ORDINANCE, CAN BE SUPPLIED UPON REQUEST. CONTACT SFWS WITH REQUIREMENT DETAILS.

Santa Fe Water Systems
10244 Freeman Ave, Santa Fe Springs, CA 90670
562-777-9724 / www.SFWSystems.com

PROPRIETARY AND CONFIDENTIAL
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	NAME	DATE
DRAWN	SRG	5/16/2023
CHECKED	MDF	5/16/2023
ENG APPR.	CKL	5/16/2023
REV		

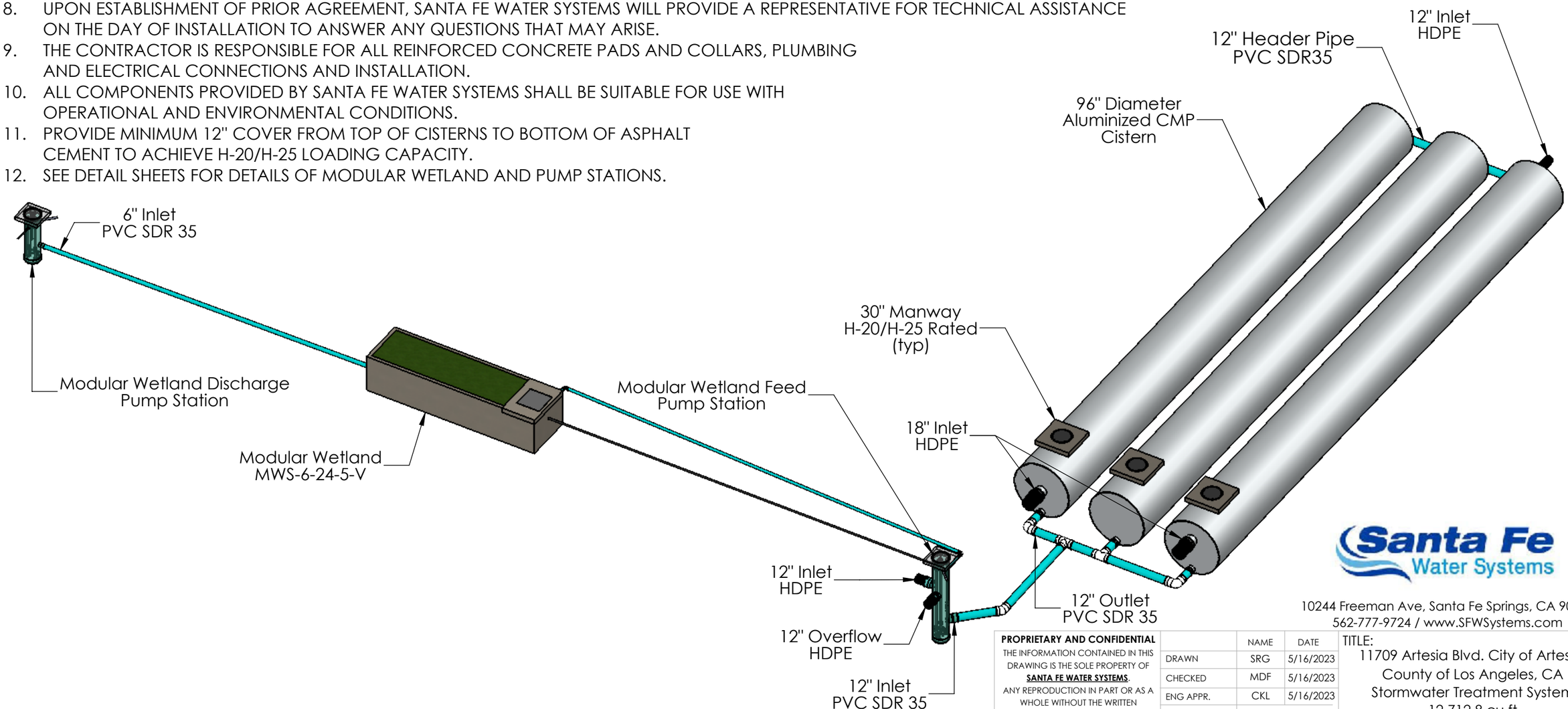
TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE **B** | SHEET 1 OF 7

NOTES:

1. STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER
2. ALL COMPONENTS OF THE STORM WATER MANAGEMENT SYSTEM SHALL BE DESIGNED AND SUPPLIED BY SANTA FE WATER SYSTEMS (SFWS), EXCEPT WHERE NOTED. ANY DEVIATION, OMISSION OR SUBSTITUTION SHALL VOID TWO-YEAR WARRANTY.
3. MODULAR WETLAND TO BE MODEL MWS-6-24-5-V, MANUFACTURED BY BIOCLEAN ENVIRONMENTAL SERVICES, INC. AND SUPPLIED BY SANTA FE WATER SYSTEMS.
4. STORAGE SYSTEM TO BE 96" ALUMINIZED CMP AS SUPPLIED BY SANTA FE WATER SYSTEMS.
5. SEE CIVIL SHEETS FOR UNIT LOCATIONS.
6. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE NOMINAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE ON-SITE CONTRACTOR OR CUSTOMER TO VERIFY THE ACCURACY OF ANY CRITICAL DIMENSIONS OR ELEVATIONS PRIOR TO SETTING OR INSTALLING ANY EQUIPMENT.
7. ALL MATERIALS SHALL BE DELIVERED TO THE SITE AFTER EXCAVATIONS HAVE BEEN EXCAVATED AND SHORED. THE CONTRACTOR SHALL SUPPLY A CRANE OF SUFFICIENT SIZE TO LOWER ALL PIECES INTO THE HOLE SAFELY. THE CONTRACTOR SHALL INSTALL ALL ITEMS.
8. UPON ESTABLISHMENT OF PRIOR AGREEMENT, SANTA FE WATER SYSTEMS WILL PROVIDE A REPRESENTATIVE FOR TECHNICAL ASSISTANCE ON THE DAY OF INSTALLATION TO ANSWER ANY QUESTIONS THAT MAY ARISE.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL REINFORCED CONCRETE PADS AND COLLARS, PLUMBING AND ELECTRICAL CONNECTIONS AND INSTALLATION.
10. ALL COMPONENTS PROVIDED BY SANTA FE WATER SYSTEMS SHALL BE SUITABLE FOR USE WITH OPERATIONAL AND ENVIRONMENTAL CONDITIONS.
11. PROVIDE MINIMUM 12" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CEMENT TO ACHIEVE H-20/H-25 LOADING CAPACITY.
12. SEE DETAIL SHEETS FOR DETAILS OF MODULAR WETLAND AND PUMP STATIONS.

Storm Water Management System in its entirety, as shown on these sheets, shall be designed by a California Licensed Professional Engineer. All components of the Storm Water Management System shall be designed and supplied by Santa Fe Water Systems (SFWS), except where noted. Any deviation, omission or substitution shall void two-year warranty. Two-year warranty shall cover the complete system according to the performance parameters indicated on the drawing set as engineered by SFWS, when installed in accordance with the SFWS design. The Warranty includes all parts and labor of shop assembled items and excludes installation of components by Contractor unless otherwise noted on plans. Warranty coverage requires regular documented maintenance of the full system performed by the owner or authorized maintenance contractor.



Santa Fe Water Systems

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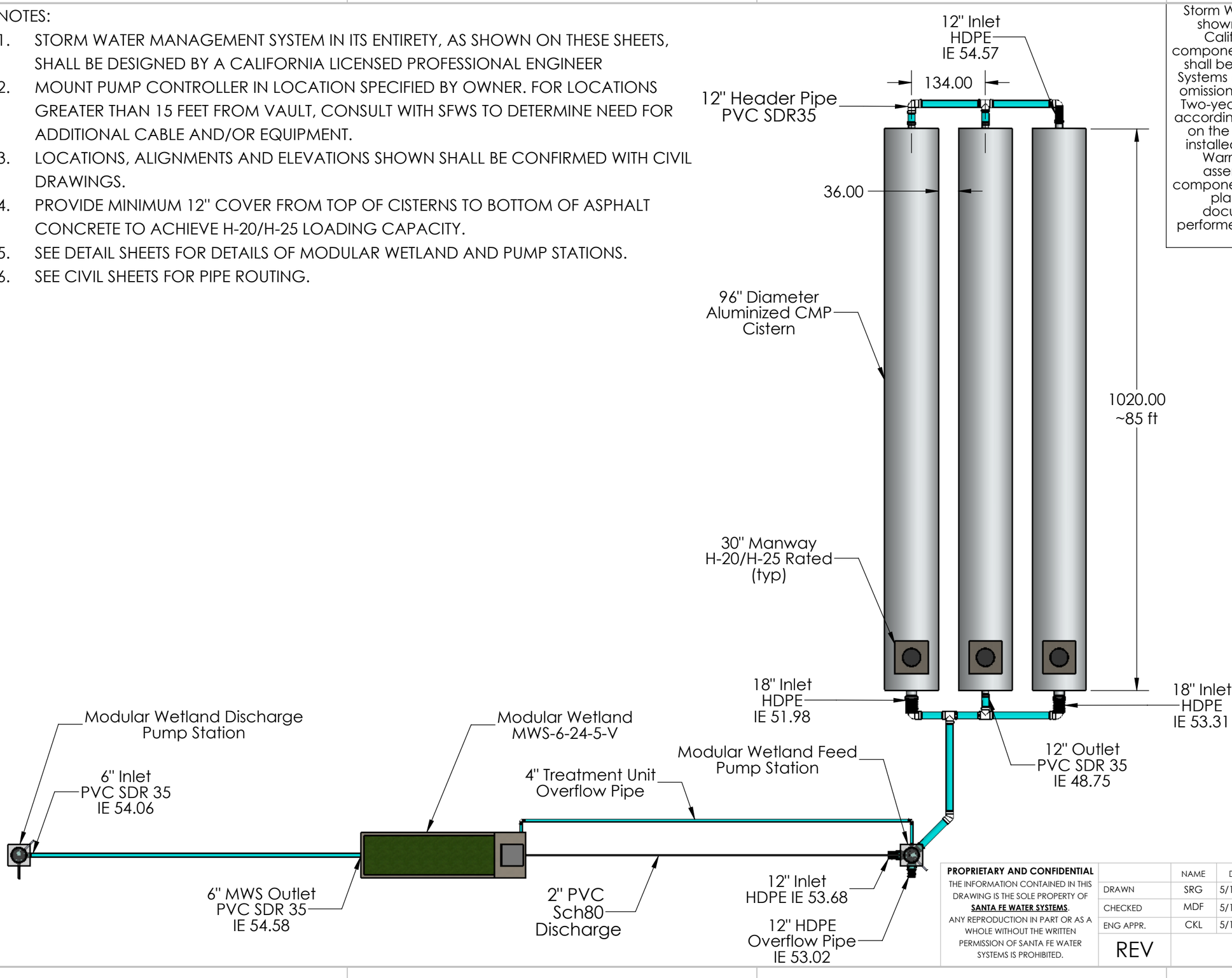
CHECKED	MDF	5/16/2023
ENG APPR.	CKL	5/16/2023
REV		

TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE **B** | SHEET 2 OF 7

NOTES:

1. STORM WATER MANAGEMENT SYSTEM IN ITS ENTIRETY, AS SHOWN ON THESE SHEETS, SHALL BE DESIGNED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER
2. MOUNT PUMP CONTROLLER IN LOCATION SPECIFIED BY OWNER. FOR LOCATIONS GREATER THAN 15 FEET FROM VAULT, CONSULT WITH SFWS TO DETERMINE NEED FOR ADDITIONAL CABLE AND/OR EQUIPMENT.
3. LOCATIONS, ALIGNMENTS AND ELEVATIONS SHOWN SHALL BE CONFIRMED WITH CIVIL DRAWINGS.
4. PROVIDE MINIMUM 12" COVER FROM TOP OF CISTERNS TO BOTTOM OF ASPHALT CONCRETE TO ACHIEVE H-20/H-25 LOADING CAPACITY.
5. SEE DETAIL SHEETS FOR DETAILS OF MODULAR WETLAND AND PUMP STATIONS.
6. SEE CIVIL SHEETS FOR PIPE ROUTING.



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TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE B

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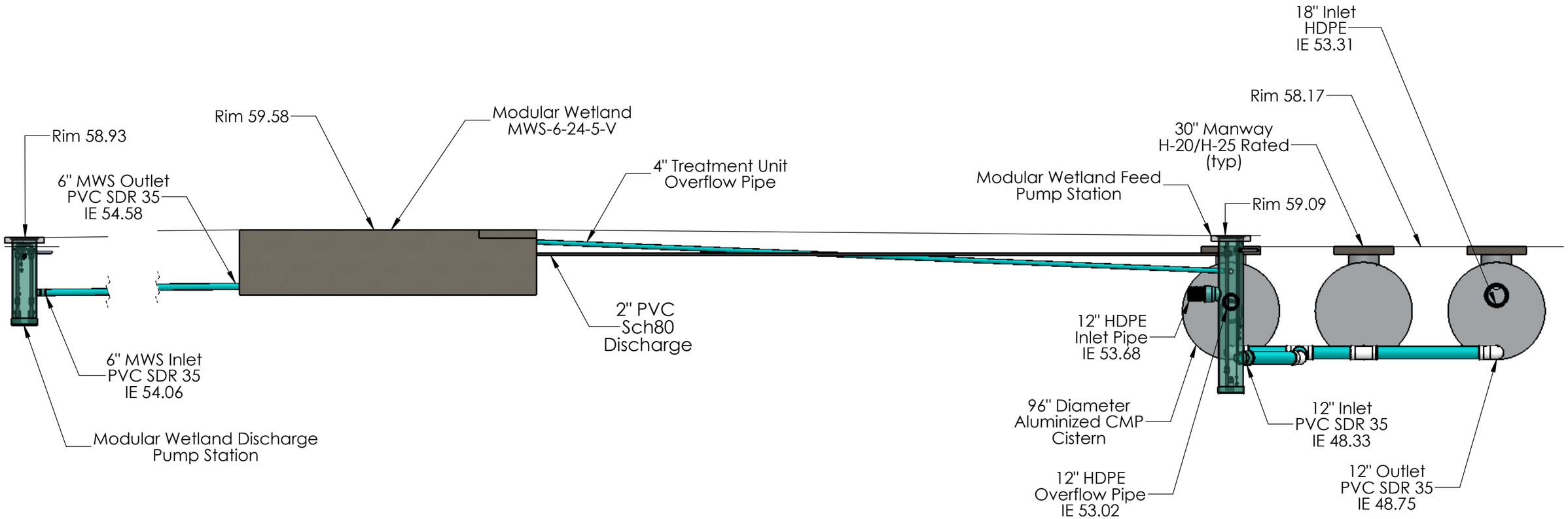

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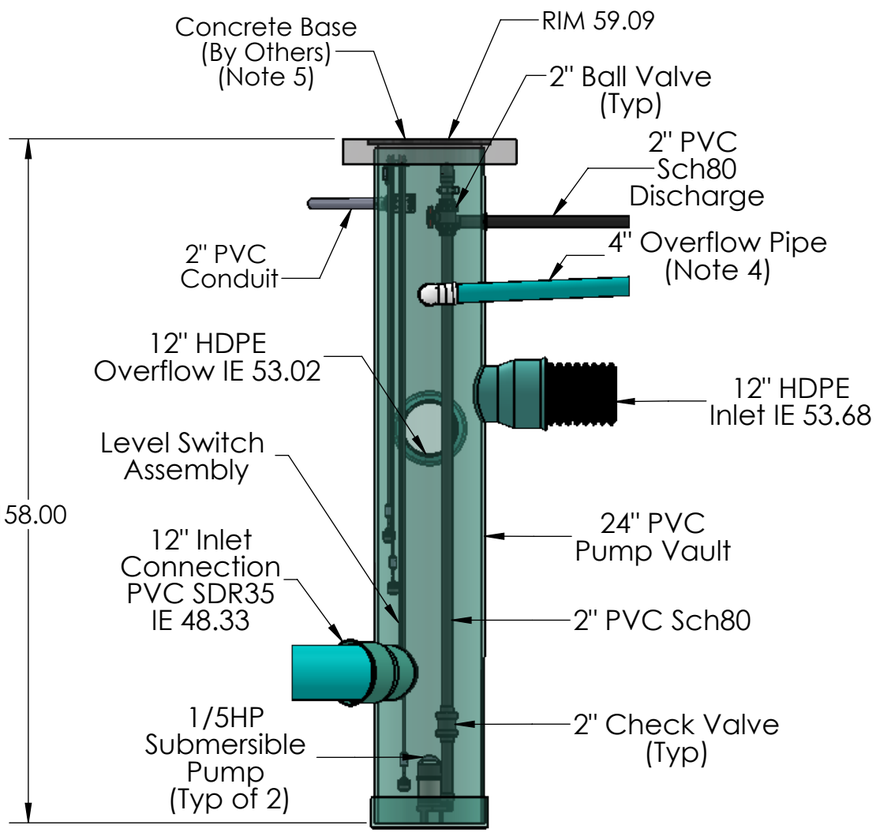
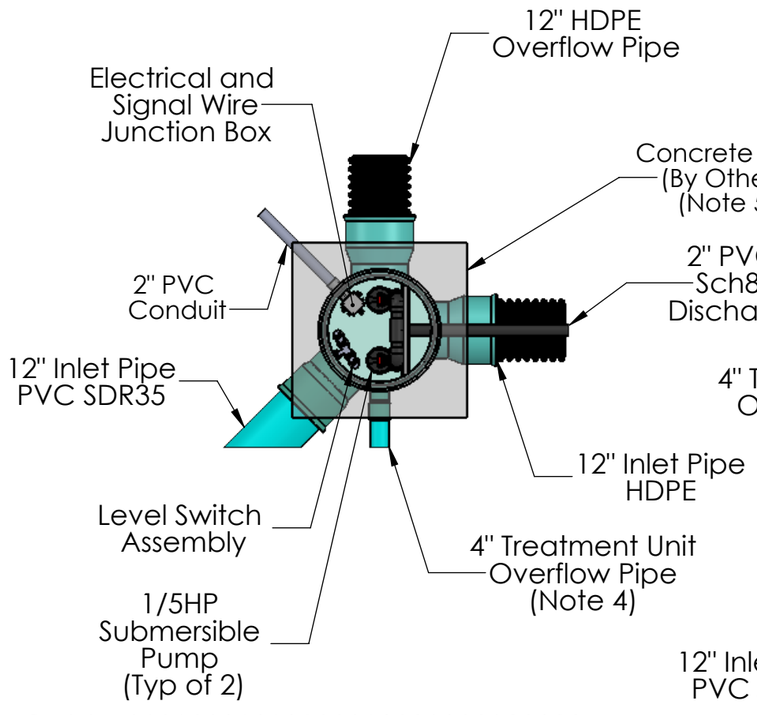
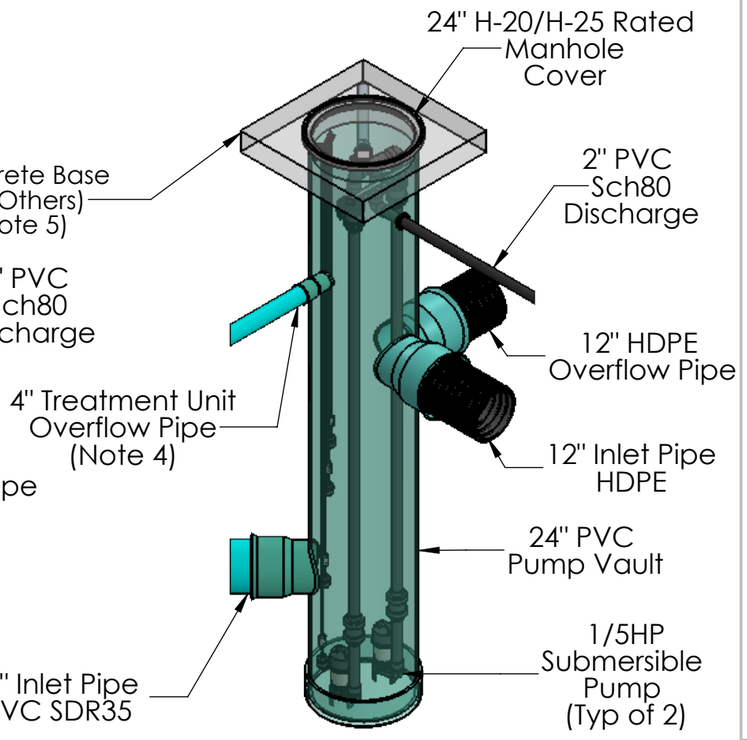
ENG APPR.	CKL	5/16/2023
REV		

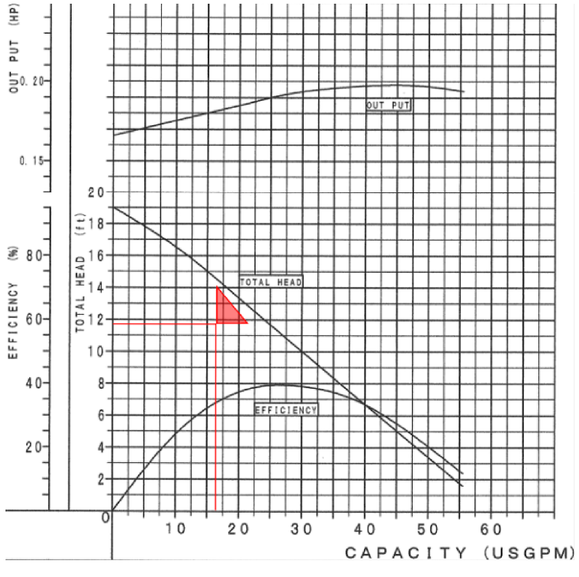
TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Stormwater Treatment System
12,712.8 cu ft

SIZE **B** SHEET 4 OF 7









NOTES:

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2. All materials shown on this sheet shall be supplied by Santa Fe Water Systems, Santa Fe Springs, CA, except where noted. Pumps shall be Shinmaywa 50CR2.15S, 1/5HP, 1PH, 115v, 3A. Substitution of any component may two-year void warranty.
3. Locate Pump Controller as required for site conditions or Owner direction. Route power and signal cable conduit to vault from controller accordingly. Connections shall be provided by Contractor.
4. Route 2" pump system outlet and 4" Overflow pipe as shown on Civil Sheets. 4" Overflow pipe not required for treatment discharge pump systems.
5. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
6. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
7. Pump performance requirements based on 96 hour drawdown of 12,712.8 cu ft = 16.51 gpm.

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Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	70'	0.56'
Check Valve	1	0.12'
90 Elbow	2	0.07'
Tee	1	0.09'
Exit	1	0.05'
Elevation Head		10.94'
Total Headloss @ 16.51 gpm		11.84'

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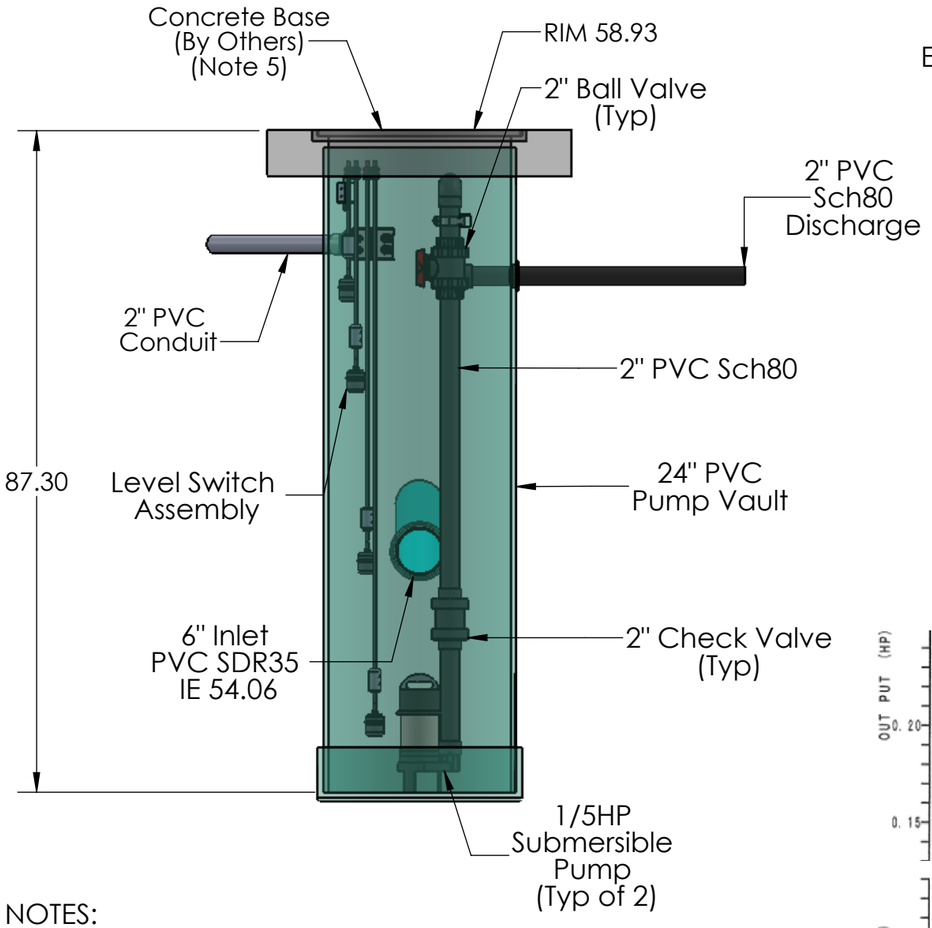
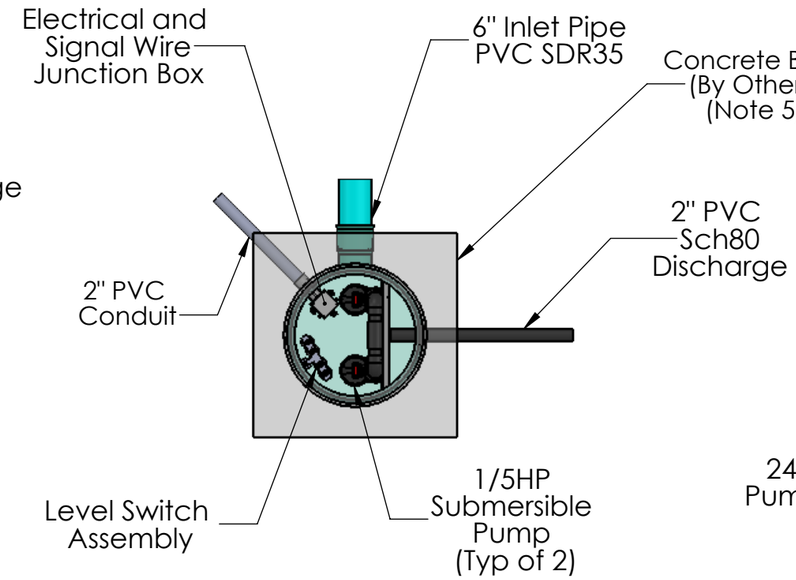
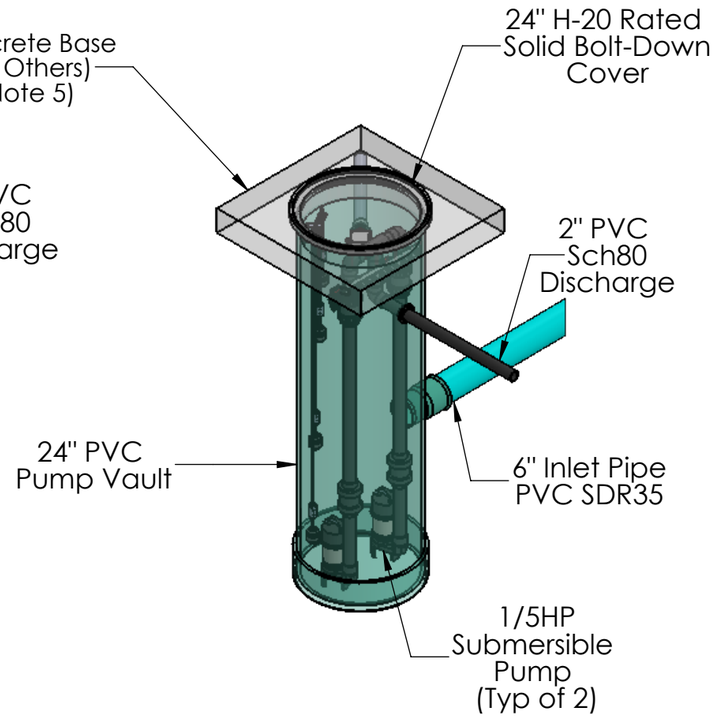
REV

TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Feed Pump Station
12,712.8 cu ft

SIZE **B** SHEET 5 OF 7







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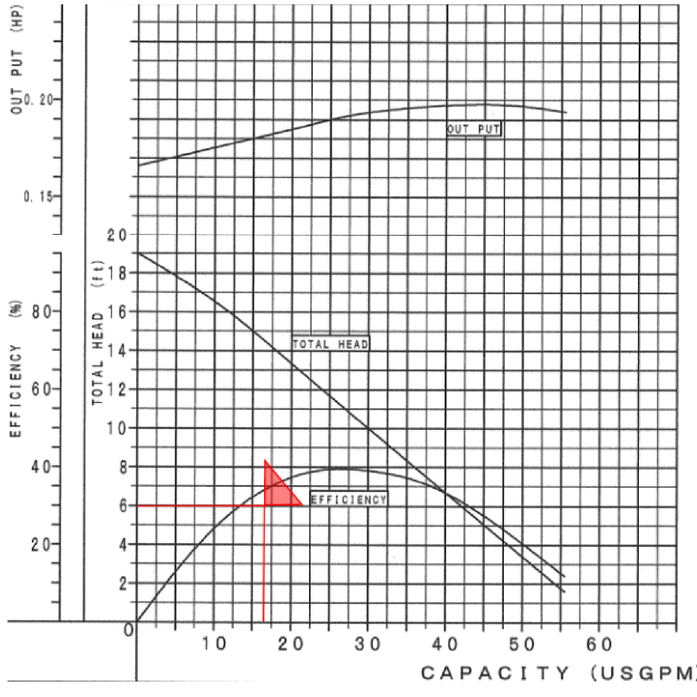
4. Route 2" pump system outlet and 4" Overflow pipe as shown on Civil Sheets. 4" Overflow pipe not required for treatment discharge pump systems.
5. Contractor to provide concrete collar around manhole cover suitable for surface loading conditions.
6. Anti-Floatation flange to be provided on pump vault where required for groundwater conditions.
7. Pump performance requirements based on 96 hour drawdown of 12,712.8 cu ft = 16.51 gpm.



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Headloss Calculations		
Fitting	Qty / Length	Headloss
Pipe (2")	106.25'	0.85'
Check Valve	1	0.12'
90 Elbow	2	0.07'
45 Elbow	1	0.01'
Tee	1	0.09'
Exit	1	0.05'
Elevation Head		4.81'
Total Headloss @ 16.51 gpm		6.01'

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	NAME	DATE
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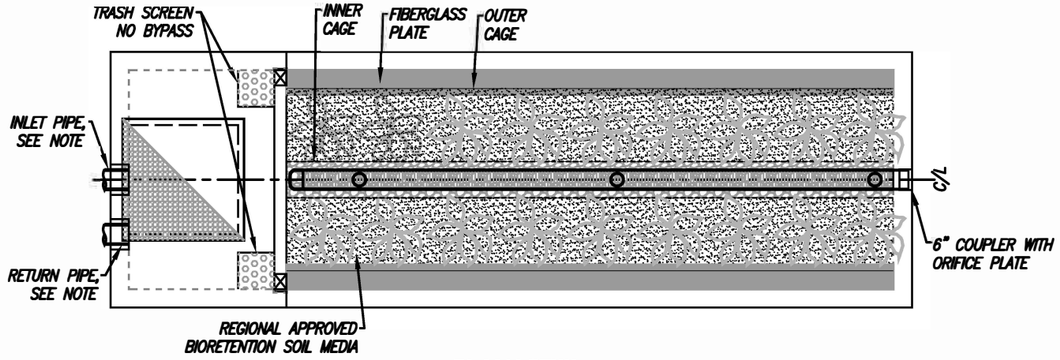
REV		

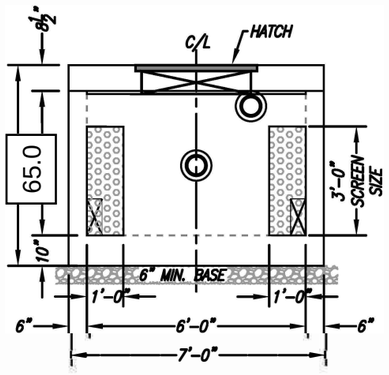
TITLE:
11709 Artesia Blvd. City of Artesia
County of Los Angeles, CA
Discharge Pump Station
12,712.8 cu ft

SIZE **B** SHEET 6 OF 7

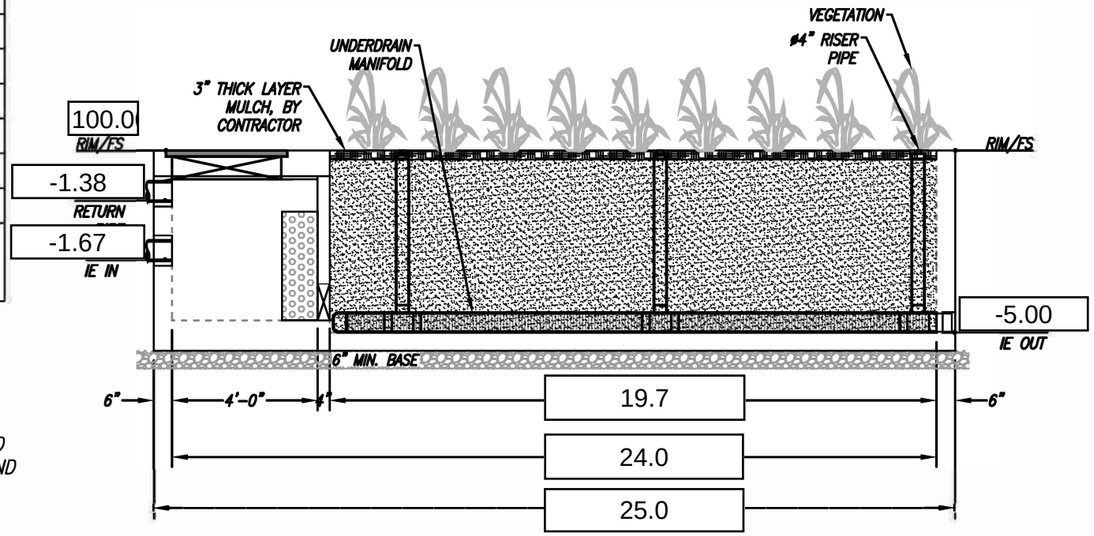
SITE SPECIFIC DATA			
PROJECT ID			
PROJECT NAME		11709 Artesia Blvd	
PROJECT LOCATION		Artesia, CA	
STRUCTURE ID			
TREATMENT REQUIRED			
VOLUME BASED (CF)		FLOW BASED (CFS)	
12,712.80		---	
TREATMENT HGL AVAILABLE (FT)			---
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE			OFFLINE
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE	-1.67	PVC SCH80	2"
RETURN PIPE	-1.38	PVC SDR35	4"
OUTLET PIPE	-5.00	PVC–SDR35	6"
	PRETREATMENT	BIOFILTRATION	N/A
RIM ELEVATION	100.00	100.00	N/A
SURFACE LOAD	PEDESTRIAN	OPEN PLANTER	N/A
FRAME & COVER	36" X 36"	N/A	N/A
LA COUNTY MEDIA MIX VOLUME (CY)			---
GRAVEL LAYER WITHIN MEDIA CHAMBER (CY)			---
ORIFICE DIAMETER (IN)			---
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			



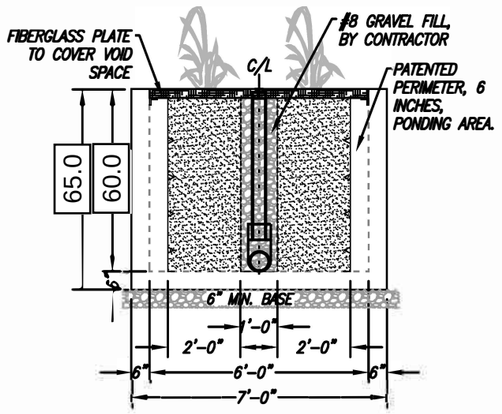
PLAN VIEW



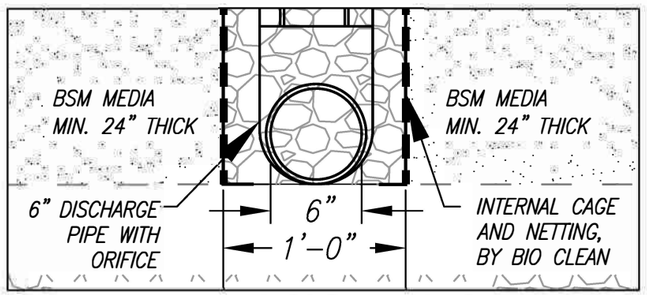
INLET VIEW



ELEVATION VIEW



OUTLET VIEW



INTERNAL CAGE DETAILS

REQUIRED HORIZ. MEDIA THICKNESS (INCHES)	24
TREATMENT VOLUME (CF)	12,712.80
TARGETED DRAINDOWN DURATION (HR)	96.0
WETLANDMEDIA INFILTRATION RATE (IN/HR)	12.0
WETLANDMEDIA LOADING RATE (GPM/SF)	0.12
DISCHARGE RATE (CFS)	0.04
REQUIRED TOTAL MEDIA SURFACE AREA (SF)	137.57
PROVIDED TOTAL MEDIA SURFACE AREA (SF)	140.92
NUMBER OF ROW(S)	1

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON–SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

SANTA FE Winwater COMPANY

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:

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Bio Clean
A Forterra Company

WetlandMOD- 6 -24.0 -60.0 -V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

6/4/21GSINGH

Appendix D:
EPA Catch Basin Cleaning / Stenciling Examples

United States Environmental Protection Agency | Office of Water Washington, D.C. | EPA 832-F-99-011 September 1999

EPA

Storm Water O&M Fact Sheet Catch Basin Cleaning

DESCRIPTION

Catch basins are chambers or sumps, usually built at the curb line, which allow surface water runoff to enter the storm water conveyance system. Many catch basins have a low area below the invert of the outlet pipe intended to retain coarse sediment. By trapping sediment, the catch basin prevents solids from clogging the storm sewer and being washed into receiving waters. Catch basins must be cleaned periodically to maintain their ability to trap sediment, and consequently their ability to prevent flooding. The removal of sediment, decaying debris, and highly polluted water from catch basins has aesthetic and water quality benefits, including reducing foul odors, reducing suspended solids, and reducing the load of oxygen-demanding substances that reach receiving waters.

APPLICABILITY

Catch basin cleaning should be performed at any facility that has an on-site storm sewer system that includes catch basins and manholes.

Although catch basin cleaning is easily implemented, it is often overlooked in an overall storm water management plan. In addition, many of the catch basin cleaning programs that have been implemented focus only on removal of debris from grate openings; full implementation of the catch basin cleaning BMP should also include removal of debris from the catch basin itself.

ADVANTAGES AND DISADVANTAGES

Catch basin cleaning is an efficient and cost-effective method for preventing the transport of sediment and pollutants to receiving water bodies. This improves both the aesthetics and the quality of the receiving water body.

Limitations associated with cleaning catch basins include:

- Catch basin debris usually contains appreciable amounts of water and offensive organic material which must be properly disposed.
- Catch basins may be difficult to clean in areas with poor accessibility and in areas with traffic congestion and parking problems.
- Cleaning is difficult during the winter when snow and ice are present.

Sediment and debris removed from catch basins can potentially be classified as hazardous waste. As a result, the materials must be disposed in a proper manner to avoid negative environmental impacts.

PERFORMANCE

Based on current data, it is not possible to quantify the water quality benefits to receiving waters resulting from catch basin cleaning. The rate at which catch basins fill with debris, as well as the total amount of material which can be removed by different frequencies of cleaning, are highly variable and cannot be readily predicted. Past studies have estimated that typical catch basins retain up to 57 percent of coarse solids and 17 percent of equivalent biological oxygen demand (BOD).

In addition, data collected as part of a Nationwide Urban Runoff Program (NURP) project in Castro Valley Creek, California, indicated that catch basins, cleaned on an average of once every year and a half, contained approximately 60 pounds of material each at the time of the cleaning.

OPERATION AND MAINTENANCE

Catch basins should be inspected at least annually to determine if they need to be cleaned. Typically, a catch basin should be cleaned if the depth of deposits is greater than or equal to one-third the depth from the basin to the invert of the lowest pipe or opening into or out of the basin. If a catch basin significantly exceeds the one-third depth standard during the annual inspection, then it should be cleaned more frequently. If woody debris or trash accumulates in a catch basin, then it should be cleaned on at least a weekly basis.

Catch basins can be cleaned either manually or by specially designed equipment. This equipment may include bucket loaders and vacuum pumps. Material removed from catch basins is usually disposed in conventional landfills. Before any materials can be disposed, it is necessary to perform a detailed chemical analysis to determine if the materials meet the EPA criteria for hazardous waste. This will help determine how the materials should be stored, treated, and disposed.

COSTS

Catch basin cleaning costs will vary depending upon the method used, the required cleaning frequency, the amount of debris removed, and debris disposal costs.

Cleaning costs for catch basins were estimated in three NURP program studies (Midwest Research Institute, 1982). These estimates are summarized in Table 1.

In communities equipped with vacuum street sweepers, a cleaning cost of $8 per basin cleaned is recommended for budgetary purposes (Southeastern Wisconsin Regional Planning Commission, 1991.) Cleaning catch basins manually costs approximately twice as much as cleaning the basins with a vacuum attached to a sweeper. Therefore, a cost estimate of $16 per catch basin cleaned may be used for manual cleaning. It should be noted that costs vary depending on local market conditions.

TABLE 1 CLEANING COST PER CATCH BASIN

Location	Method	Cost
Castro Valley, CA	Vacuum attached to street sweeper	$7.70
Salt Lake County, UT	Vacuum attached to street sweeper	$10.30
Winston-Salem, NC	Vacuum attached to street sweeper	$6.30

Source: MRI, 1982.

REFERENCES

1. Midwest Research Institute, 1982. *Collection of Economic Data from Nationwide Urban Runoff Program Projects-Final Report.* Report to U.S. Environmental Protection Agency.

2. Minnesota Pollution Control Agency, 1989. *Protecting Water Quality in Urban Areas.*

3. Southeastern Wisconsin Regional Planning Commission, 1991. *Cost of Urban Nonpoint Source Water Pollution Control Measures,* Technical Report No. 31.

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5. U.S. EPA, 1977. *Catch Basin Technology Overview and Assessment.* EPA-600/2-77-051.

6. Washington State Department of Ecology, 1992. *Storm Water Management Manual for Puget Sound.*

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The mention of trade names or commercial products does not constitute endorsement or recommendation for the use by the U.S. Environmental Protection Agency.

For more information contact:

Municipal Technology Branch
U.S. EPA
Mail Code 4204
401 M St., S.W.
Washington, D.C., 20460

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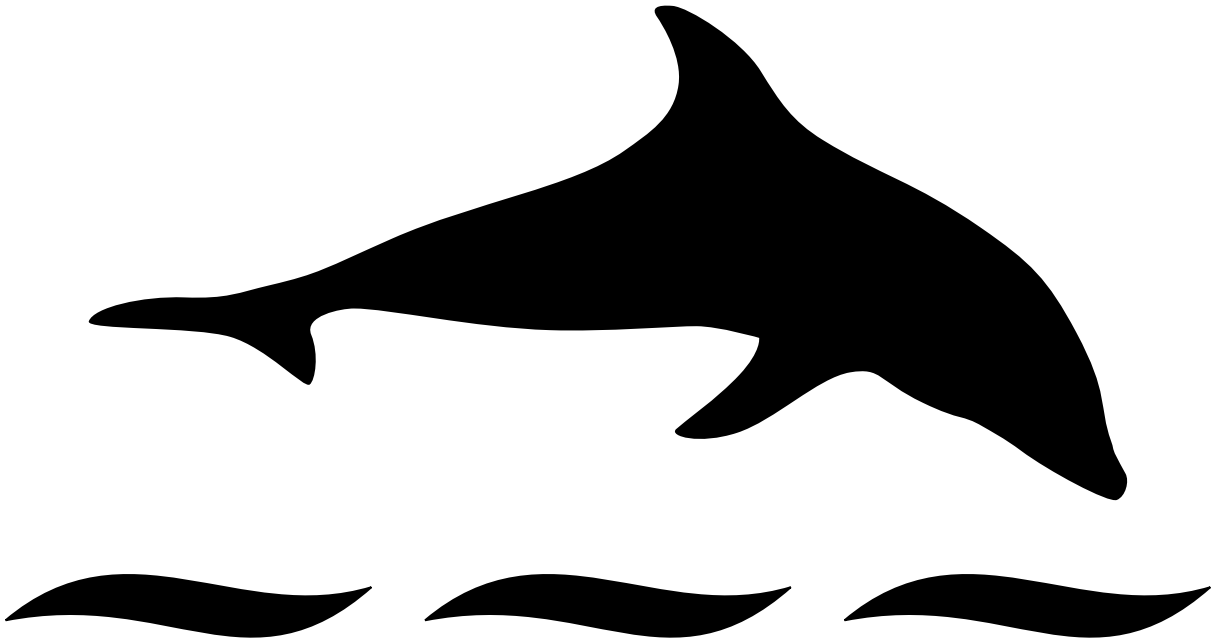
Sample Stencil 1

NO DUMPING

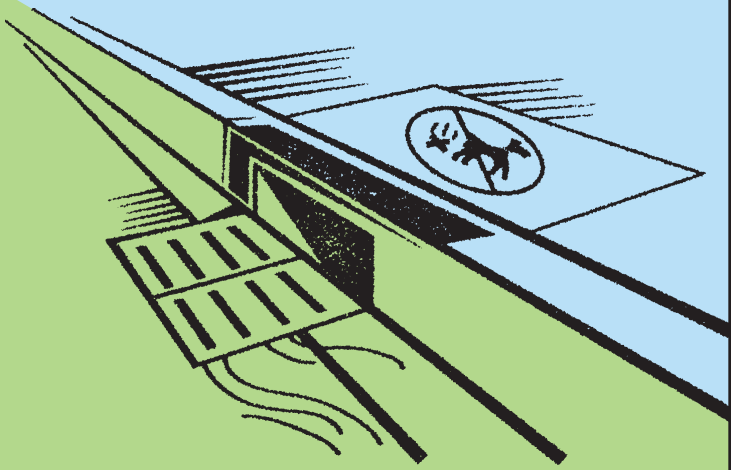


DRAINS TO OCEAN

Sample Stencil 2

Appendix E:
General Education Materials

Pick Up After Your Pooch!



Storm drains are for rain…
they're not pooper scoopers.

L.A. County residents walk a dog without picking up the droppings more than **62,000** times per month.

Disease-causing dog waste washes from the ground and streets into storm drains and flows straight to the ocean — untreated.

Remember to bring a bag and clean up after your dog.

1 (888) CLEAN LA
www.888CleanLA.com

Tips for Dog Owners:

Dog owners can help solve the stormwater pollution problem by taking these easy steps…

- Clean up after your dog every single time.
- Take advantage of the complimentary waste bags offered in dispensers at local parks.
- Ensure you always have extra bags in your car so you are prepared when you travel with your dog.
- Carry extra bags when walking your dog and make them available to other pet owners who are without.
- Teach children how to properly clean up after a pet. Encourage them to throw the used bags in the nearest trash receptacle if they are away from home.
- Put a friendly message on the bulletin board at the local dog park to remind pet owners to clean up after their dogs.
- Tell friends and neighbors about the ill effects of animal waste on the environment. Encourage them to clean up after their pets as well.

PROJECT Pollution PREVENTION

Are You a Litter Bug and Don't Know It?

Take our quiz!

Have you ever...

- Dropped a cigarette butt or trash on the ground?
- Failed to pick up after your dog while out on a walk?
- Overwatered your lawn after applying fertilizers/pesticides?
- Disposed of used motor oil in the street, gutter or garbage?

If you answered **yes** to any of these actions, then **YOU ARE A LITTER BUG**!

Each of these behaviors contribute to stormwater pollution, which contaminates our ocean and waterways, kills marine life and causes beach closures.

You can become part of the solution!
To find out how, flip this card over.

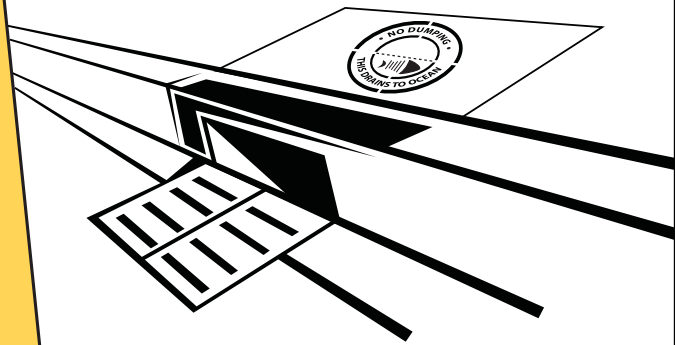
For more information, call or visit:

1 (888) CLEAN LA
www.888CleanLA.com

PROJECT Pollution PREVENTION

Follow these simple steps to prevent stormwater pollution:

- Put your garbage where it belongs — in the trash can.
- Pick up after your dog when out on a walk.
- Reduce pesticide and fertilizer use; don't overwater after application or apply if rain is forecast.
- Dispose of used motor oil at an oil recycling center or at a free Household Hazardous Waste/E-Waste collection event.



A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

Storm Drains are for Rain...

Stormdrains take runoff directly to creeks and the ocean without treatment. Pool chemicals can harm our natural creeks and waterways. Anything going into our stormdrains that isn't rainwater contributes to stormwater pollution, which contaminates our creeks and ocean, kills marine life and causes beach closures.

...not pool chemicals

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

Swimming Pool Tips

Follow these simple steps to prevent stormwater pollution...

- Make sure all chemicals are dissipated before draining a pool or spa
- Do not drain pools within 5 days of adding chemicals
- Never backwash a filter into the street or stormdrain
- Cleanup chemical spills with absorbent, don't wash it down the drain
- Dispose of leftover chemicals and paints through a licensed hazardous waste disposal provider

PROJECT Pollution PREVENTION

Storm Drains are for Rain...

More than 50% of the automotive oil sold to do-it-yourself oil changers is not recycled. There are more than 600 State-certified used oil collection centers within Los Angeles County.

Never dispose of automotive fluids, recyclable products, or household hazardous wastes into the street or gutter. Take them to your local auto repair station, recycling center or a household hazardous waste roundup.

...they're not recycling centers.

1(888)CLEAN LA
www.888CleanLA.com

Recycling Tips:

You can help keep your community clean, protect our area waterways and make the beaches safe for ocean swimmers by putting recyclable materials where they belong — at a recycling center or household hazardous waste roundup. Never throw or pour anything into the streets or gutters...

- When changing vehicle fluids – transmission, hydraulic and motor oil, brake and radiator fluid – drain them into a drip pan to avoid spills. Do not combine these fluids. Do not dispose of them in the street, gutter or in the garbage. It is illegal.
- Recycle all used vehicle fluids. Call 1(888)CLEAN LA or visit www.888CleanLA.com for the location of a center that recycles these fluids, or for the location of a local household hazardous waste Roundup.
- Other materials that should be taken to a household hazardous waste Roundup are: paint and paint-related materials, household cleaners, batteries, pesticides and fertilizers, pool chemicals, and aerosol products.
- Aluminum, glass, plastic and newspapers should be placed in your curbside recycling bin or taken to a local recycling center.

Printed on recycled paper

PROJECT Pollution PREVENTION

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Printed on recycled paper

PROJECT Pollution PREVENTION

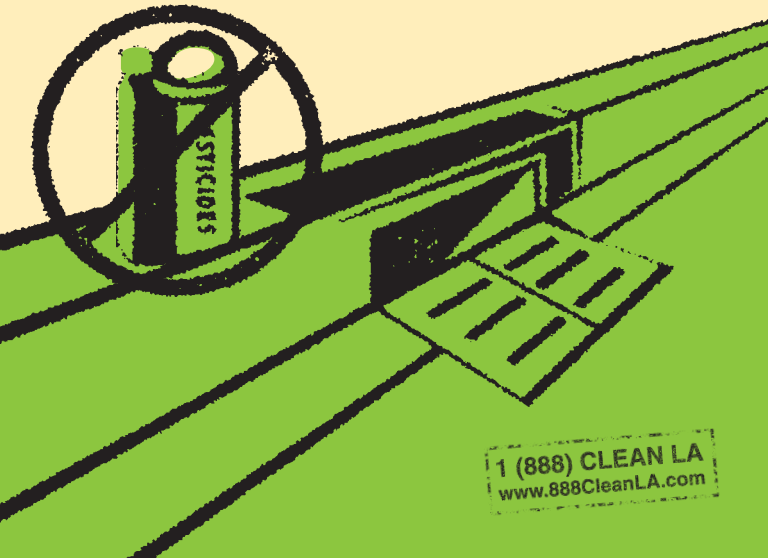
A Yard is a Terrible Thing to Waste!

Storm drains are for rain…**not yard waste.**

Residential yard waste represents about **13 percent** of the total waste generated in L.A. County.

Pesticides, fertilizer and yard waste such as leaves and mowed grass wash from the ground and streets into storm drains and flow straight to the ocean — **untreated**.

Remember to use pesticides and fertilizer wisely and pick-up yard waste.



Tips For Yard Care:

L.A. County residents can help solve the stormwater pollution problem by taking these easy steps…

- Do not over-fertilize and do not use fertilizer or pesticides near ditches, gutters or storm drains.
- Do not use fertilizer or pesticides before a rain.
- Follow the directions on the label carefully.
- Use pesticides sparingly — more is not better. "Spot" apply, rather than "blanket" apply.
- When watering your lawn, use the least amount of water possible so it doesn't run into the street carrying pesticides and other chemicals with it.
- Use non-toxic products for your garden and lawn whenever possible.
- If you must store pesticides or fertilizer, make sure they are in a sealed, water-proof container in a covered area to prevent runoff.
- Do not blow, sweep, hose or rake leaves or other yard trimmings into the street, gutter or storm drain.

PROJECT Pollution PREVENTION

A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

Storm Drains are for Rain...

More than 50% of the automotive oil sold to do-it-yourself oil changers is not recycled. There are more than 600 State-certified used oil collection centers within Los Angeles County.

Never dispose of automotive fluids in the street or gutter. Take them to your local auto parts store, gas station or repair shop, or a household hazardous waste Roundup for recycling.

1(888)CLEAN LA
www.888CleanLA.com

...not automotive fluids.

Car Care Tips:

You can keep your car running smoothly and efficiently, and at the same time help prevent stormwater pollution by taking these easy steps...

- When changing vehicle fluids — motor oil, transmission, brake and radiator fluids — drain them into separate drip pans to avoid spills. Do not combine these fluids. Do not dispose of these fluids in the street, gutter or garbage. It is illegal.
- If a spill occurs, use kitty litter, sawdust or cornmeal for cleanup. Do not hose or rinse with water.
- Recycle all used vehicle fluids. Call 1(888)CLEAN LA or visitwww.888CleanLA.com for the location of an auto parts store or gas station that recycles these fluids, or for the location of a local household hazardous waste Roundup.
- Regularly check and maintain your car to keep it running safely and efficiently. Water runoff from streets, parking lots and driveways picks up oil and grease drippings, asbestos from brake linings, zinc from tires and organic compounds and metals from spilled fuels and carries them to the ocean.

PROJECT Pollution PREVENTION

Printed on recycled paper

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PROJECT Pollution PREVENTION

Printed on recycled paper

Don't Paint the Town Red!

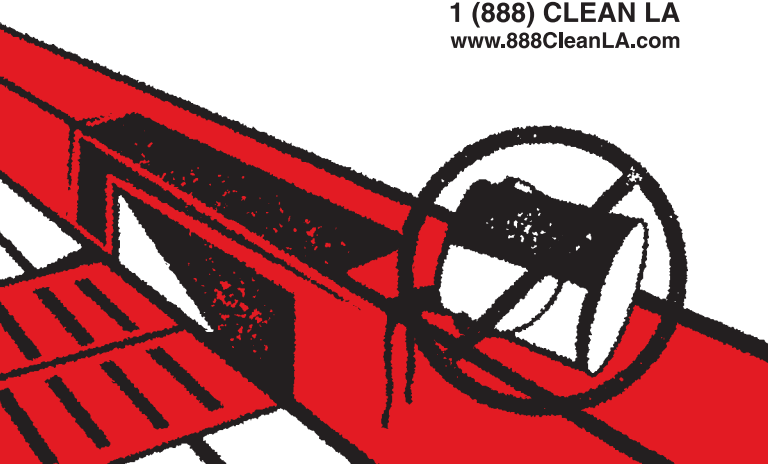
Storm drains are for rain…
they're not for paint disposal.

More than **197,000** times each month, L.A. County residents wash their dirty paint brushes under an outdoor faucet.

This dirty rinse water flows into the street, down the storm drain and straight to the ocean — **untreated**.

Remember to clean water-based paint brushes in the sink, rinse oil-based paint brushes with paint thinner, and take old paint and paint-related products to a Household Hazardous Waste/E-Waste collection event.

1 (888) CLEAN LA
www.888CleanLA.com



Tips for Paint Clean-Up:

L.A. County residents can help solve the stormwater pollution problem by taking these easy steps when working with paint and paint-related products…

- Never dispose of paint or paint-related products in the gutters or storm drains. This is called illegal dumping. Take them to a Household Hazardous Waste/E-Waste collection event. Call 1 (888) CLEAN LA or visit www.888CleanLA.com to locate an event near you.
- Buy only what you need. Reuse leftover paint for touch-ups or donate it to a local graffiti abatement program. Recycle or use excess paint.
- Clean water-based paint brushes in the sink.
- Oil-based paints should be cleaned with paint thinner. Filter and reuse paint thinner. Set the used thinner aside in a closed jar to settle-out paint particles.
- Store paints and paint-related products in rigid, durable and watertight containers with tight-fitting covers.

PROJECT Pollution PREVENTION

A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

Storm Drains are for Rain...

More than 200,000 times each month, lawns and gardens throughout LA County are sprayed with pesticides. Overwatering or rain causes pesticides on leaves and grass to flow into the storm drain and to the ocean — untreated.

Please use pesticides wisely, not before a rain, and water carefully.

...not pesticides.

1(888)CLEAN LA
www.888CleanLA.com

Pesticide Tips:

You can keep your lawn and garden green and at the same time solve the pollution problem by taking these easy steps...

- Never dispose of lawn or garden chemicals in storm drains. This is called illegal dumping. Take them to a household hazardous waste roundup. Call 1(888)CLEAN LA or visit www.888CleanLA.com to locate a roundup or collection facility near you.
- More is not better. Use pesticides sparingly. "Spot" apply, rather than "blanket" apply.
- Read labels! Use only as directed.
- Use non-toxic products for your garden and lawn whenever possible.
- If you must store pesticides, make sure they are in a sealed, water-proof container that cannot leak.
- When watering your lawn, use the least amount of water possible so it doesn't run into the street and carry pesticide chemicals with it. Don't use pesticides before a rain storm. You will not only lose the pesticide, but also will be harming the environment.

PROJECT Pollution PREVENTION

Printed on recycled paper

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PROJECT Pollution PREVENTION

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Appendix F:
Operation and Maintenance Plan

(To be provided during Final Engineering)

Appendix G:
Geotechnical Investigation

December 7, 2021
J.N.: 3027.00

Mr. Mitchell Gardner
G3 Urban
15235 S. Western Avenue
Gardena, California 90249

Subject: **Preliminary Geotechnical Investigation, Proposed Industrial Development, 11709 Artesia Blvd., Artesia, California**

Dear Mr. Gardner,

Pursuant to your request, ***Albus & Associates, Inc***. is pleased to present to you our preliminary geotechnical investigation report for the proposed development at the subject site. This report presents the results of our aerial photo and literature review, subsurface exploration, laboratory testing, and engineering analyses. Conclusions relevant to the feasibility of the proposed site development and recommendations for site development are also presented herein based on the findings of our work.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS & ASSOCIATES, INC.

David E. Albus
Principal Engineer

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APPENDIX C – LIQUEFACTION ANALYSIS

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The purposes of our preliminary geotechnical investigation were to evaluate geotechnical conditions within the project area and to provide conclusions and recommendations relevant to the design and construction of the proposed improvements at the subject site. The scope of this investigation included the following:

- Review of the historical aerial photographs;
- Review of published geologic and seismic data for the site and surrounding area;
- Exploratory drilling and soil sampling;
- Laboratory testing of selected soil samples;
- Engineering analyses of data obtained from our review, exploration, and laboratory testing;
- Evaluation of site seismicity, liquefaction potential, and settlement potential; and,
- Preparation of this report

1.2 SITE LOCATION AND DESCRIPTION

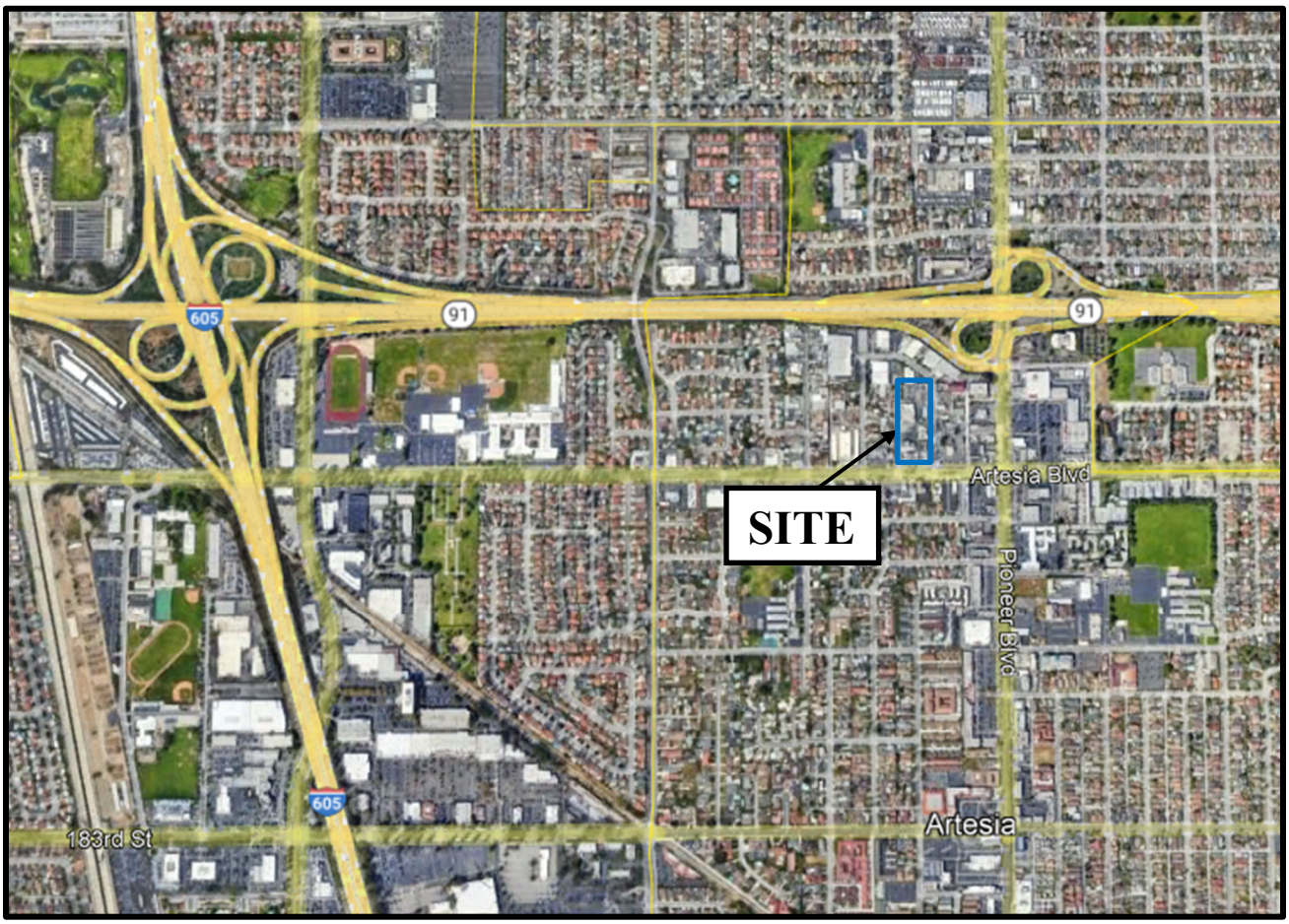
The site is located at the address of 11709 Artesia Boulevard within the city of Artesia, California. The site is bordered by Artesia Boulevard to the south, Fallon Avenue to the west, Alburtis Avenue to the east, and a commercial building and surface parking lots to the north. The location of the site and its relationship to the surrounding areas are shown in Figure 1, Site Location Map.

The site consists of approximately 3.33 acres of land with several industrial buildings, above-ground tanks, processing equipment, and above-ground piping. The remainder of the site consists of asphalt- and concrete-covered paving.

1.3 PROPOSED DEVELOPMENT

Based on the project brochure prepared by Colliers, we understand that the proposed development will likely consist of one or two new industrial buildings at-grade parking as well as associated interior driveways, parking, underground utilities, and decorative hardscape and landscape areas.

No grading or structural plans were available in preparing this report. However, we anticipate that minor rough grading of the site will be required to achieve future surface configuration. Structural loads are anticipated to typically consist of 250 kips for columns and 6 kips/ft for walls.



N

SITE LOCATION MAP

G3 Urban
11709 Artesia Boulevard,
Artesia, California

NOT TO SCALE

FIGURE 1

2.0 INVESTIGATION

2.1 RESEARCH

We have reviewed the referenced geologic publications and maps (see references). Data from these sources were utilized to develop some of the findings and conclusions presented herein.

We have also reviewed available historical aerial photographs. The aerial photos indicate that as early as 1967, the subject site was developed with industrial facilities. The site has remained relatively unchanged since 1967.

2.2 SUBSURFACE EXPLORATION

Subsurface exploration for this investigation was conducted on November 2, 2021 and consisted of drilling three (3) soil borings to depths ranging from approximately 11.5 to 51.5 feet below the existing ground surface (bgs) and advancing four (4) Cone Penetration Tests (CPTs) to a depth of 50 feet bgs. The borings were drilled using a truck-mounted, continuous flight, hollow-stem-auger drill rig. A representative of Albus & Associates, Inc. logged the exploratory borings. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented in the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations and CPT soundings completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed, and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory borings for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

2.3 LABORATORY TESTING

Selected samples obtained from our subsurface exploration were tested in our soil laboratory. Tests consisted of maximum dry density and optimum moisture content, in-situ moisture content and dry density, expansion index, soluble sulfate content, direct shear, consolidation/collapse potential, grain-size distribution analysis, percent passing No. 200 sieve, direct shear strength, corrosivity testing (pH, chloride, and resistivity), and Atterberg limits. A description of laboratory test criteria and test results are presented in Appendix B.

3.0 SUBSURFACE CONDITIONS

3.1 SOIL CONDITIONS

Descriptions of the earth materials encountered during our investigation are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the subject site consisted of approximately 2 feet of artificial fill over alluvial soils. The artificial fill is predominately comprised of grayish brown sandy silt and silty sand. These fill materials typically were observed to be damp to moist and medium dense.

Underlying the artificial fills are native soils consisting of young alluvial fan deposits (Qyf_a). The alluvial fan deposit materials were encountered to the maximum depth explored of 51.5 feet and are comprised of grayish brown to light gray, interlayered silty sand and sand that are damp to wet and loose to very dense. Occasional lenses and layers of sandy silt are also present that are generally very moist to wet and firm to very stiff.

3.2 GROUNDWATER

Groundwater was encountered during this firm's subsurface exploration at a depth of 14 feet. The CDMG Special Report 019 suggests that historic high groundwater for the subject site is below 10 feet.

3.3 FAULTING

Based on our review of the referenced publications and seismic data, no active faults are known to project through or immediately adjacent to the subject sites and the site does not lie within an "Earthquake Fault Zone" as defined by the State of California in Earthquake Fault Zoning Act. Table 3.1 summarizes the known seismically active faults within 10 miles of the sites based on the 2008 USGS National Seismic Hazard Maps.

TABLE 3.1
Summary of Faults

Name	Dist. (miles)	Slip Rate (mm/yr.)	Preferred Dip (degrees)	Slip Sense	Rupture Top (km)	Fault Length (km)
Puente Hills (Coyote Hills)	2.67	0.7	26	thrust	2.8	17
Puente Hills (Santa Fe Springs)	2.82	0.7	29	thrust	2.8	11
Newport Inglewood Connected alt 2	6.87	1.3	90	strike slip	0	208
Newport-Inglewood, alt 1	6.95	1	88	strike slip	0	65
Newport Inglewood Connected alt 1	6.95	1.3	89	strike slip	0	208
Puente Hills (LA)	7.01	0.7	27	thrust	2.1	22
Elsinore;W+GI+T+J+CM	8.40	n/a	84	strike slip	0	241
Elsinore;W+GI	8.40	n/a	81	strike slip	0	83
Elsinore;W+GI+T	8.40	n/a	84	strike slip	0	124
Elsinore;W+GI+T+J	8.40	n/a	84	strike slip	0	199
Elsinore;W	8.40	2.5	75	strike slip	0	46

4.0 ANALYSES

4.1 SEISMICITY

2019 CBC requires seismic parameters in accordance with ASCE 7-16. Unless noted otherwise, all section numbers cited in the following refer to the sections in ASCE 7-16.

Per Section 20.3 the project site was designated as Site Class D. We used the OSHPD seismic hazard tool to obtain the basic mapped acceleration parameters, including short periods (S_S) and 1-second period (S_1) MCE_R Spectral Response Accelerations. Section 11.4.8 requires site-specific ground hazard analysis for structures on Site Class E with S_S greater than or equal to 1.0 or Site Class D or E with S_1 greater than or equal to 0.2. Based on the mapped values of S_S and S_1 the project site falls within this category, requiring site-specific hazard analysis in accordance with Section 21.2.

However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient Cs is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." Assuming this exception is met for this project, a ground motion hazard analysis is not required and mapped seismic values can be used. Should this exception not be met, a ground motion hazard analysis is required to determine the Design response spectra for the proposed structures at this site. Both mapped and site-specific seismic design parameters are provided in this report, as presented in Section 6.2. Details of a ground motion hazard analysis are explained below.

According to Section 21.2.3 (Supplement 1), the site-specific Risk Targeted Maximum Considered Earthquake (MCER) spectral response acceleration at any period is the lesser of the probabilistic and the deterministic response accelerations, subject to the exception specified in the same section. The probabilistic response spectrum was developed using the computer program OpenSHA (Field et al., 2013), which implements Method 1 as described in Section 21.2.1.1. Fault Models 3.1 and 3.2 from the Third Uniform California Earthquake Rupture Forecast (UCERF3) were used as the earthquake rupture forecast models for the PSHA. In addition to known fault sources, background seismicity was also included in the PSHA. The ground motion Prediction Equations (GMPEs) selected for use in this analysis are those developed for the Pacific Earthquake Engineering Research Center (PEER) Next Generation Attenuation (NGA) West 2 project. Four GMPEs - Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014), and Chiou and Youngs (2014) were used to perform the analysis.

In accordance with Section 21.2.2 (Supplement 1), the deterministic spectral response acceleration at each period was calculated as the 84th percentile, 5% damped response acceleration, using NGA-West2 GMPE Worksheet. For this, the information from at least three causative faults with the greatest contribution per deaggregation analysis were used and the larger acceleration spectrum among these was selected as the deterministic response spectrum. The deterministic spectrum was adjusted per requirements in Section 21.2.2 (Supplement 1) where applicable. Both probabilistic and deterministic spectra were subjected to the maximum direction scale factors specified in Section 21.2 to produce the maximum acceleration spectra.

Design response spectrum was developed by subjecting the site-specific MCE_R response spectrum to the provisions outlined in Section 21.3. This process included comparison with 80% code-based

design spectrum determined in accordance with Section 11.4.6. The short period and long period site coefficients (Fa and Fv, respectively) were determined per Section 21.3 in conjunction with Table 11.4-1. Site-specific design acceleration parameters (S_{MS}, S_{M1}, S_{DS}, and S_{D1}) were calculated according to Section 21.4.

Per Section 11.2 (definitions on Page 79 of ASCE7-16) for evaluation of liquefaction, lateral spreading, seismic settlements, and other soil-related issues, Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration PGA_M shall be used. The site-specific PGA_M is calculated per Section 21.5.3, as the lesser of the probabilistic PGA_M (Section 21.5.1) and deterministic PGA_M (Section 21.5.2), but no less than 80% site modified peak ground acceleration, PGA_M, obtained from OSHPD seismic hazard tool. From our analyses, we obtain a PGA_M of 0.662g.

4.2 STATIC SETTLEMENT

Analyses were performed to estimate the maximum static settlement due to the anticipated maximum foundation loads. The analyses were based on the results of subsurface exploration and laboratory testing conducted at the site. Settlements were calculated based on the elastic method using the sampler blow counts to estimate the elastic property of the soils. Stresses induced by the footings were based on a Boussinesq distribution.

Settlement of the proposed buildings will depend on the magnitude of the structural loads. Assuming a column load of 250 kips, bearing pressure of 4,000 psf, and footing depth of 2 foot, total static settlement of a column footing is estimated to be 0.9 inches. A continuous footing that supports a load of 6 kips/ft, bearing pressure of 3,000 psf, 2 feet wide, and 2 feet deep is estimated to have a total static settlement of 0.5 inches.

4.3 LIQUEFACTION

Engineering research of soil liquefaction potential (Youd et al., 2001) indicates that generally three basic factors must exist concurrently in order for liquefaction to occur. These factors include:

- A source of ground shaking, such as an earthquake, capable of generating soil mass distortions.
- A relatively loose silty and/or sandy soil.
- A relative shallow groundwater table (within approximately 50 feet below ground surface) or completely saturated soil conditions that will allow positive pore pressure generation.

The site is located within a State-designated zone of potentially liquefiable soils. As a result, we conservatively have evaluated the potential for liquefaction.

The liquefaction susceptibility of the onsite soils was evaluated by analyzing the potential concurrent occurrence of the above-mentioned three basic factors. The liquefaction evaluation for the site was completed under the guidance of Special Publication 117A: Guidelines for Evaluating and Mitigating Seismic Hazards in California (CDMG, 2008).

Our liquefaction analyses were based on the field test data results from our CPT data. The liquefaction analyses were performed utilizing the CLiq software by GeoLogismiki. Among the methods available in this program for analysis of liquefaction potential, Robertson (NCEER 2001, 2009) was used for

the current project. The seismic event was defined by peak ground acceleration PGA of 0.73 and mean moment magnitude of 6.83. The historic-high groundwater level, which is used as the design level for evaluation of liquefaction potential, is taken at a depth of 10 feet below ground surface, as discussed in Section 3.2.

Based on our analyses, several sublayers below the assumed shallowest groundwater level of 10 feet have a factor of safety less than 1.3 and are therefore considered prone to liquefaction during the design earthquake event. Liquefaction analyses are provided in Appendix C.

4.4 SEISMIC-INDUCED SETTLEMENT

To quantify the consequences of liquefaction at the site, seismic-induced settlement has been evaluated using the four CPT soundings. Robertson (NCEER 2001 and 2009) method was used for this evaluation.

Analyses were performed to evaluate the potential for seismic settlement from saturated liquefied and unsaturated dry soils. The calculated seismic-induced settlements of saturated soil using various methods for CPT analysis are ranging from 3.7 to 5.3 inches. Liquefaction induced-settlement analyses are provided in Appendix C.

Seismic-induced settlement can occur both above and below the groundwater table during a strong seismic event. We have estimated the dry seismic settlement using the Robertson and Shao (2010) Method. The total seismic dry settlement we calculated ranges from 0 to 0.2 inches.

5.0 CONCLUSIONS

5.1 FEASIBILITY OF PROPOSED DEVELOPMENT

From a geotechnical point of view, the proposed site development is considered feasible provided the recommendations presented in this report are incorporated into the design and construction of the project. Furthermore, it is also our opinion that the proposed development will not adversely impact the stability of adjoining properties.

5.2 GEOLOGIC HAZARDS

5.2.1 Ground Rupture

No known active faults are known to project through the subject sites nor do the sites lie within the boundaries of an “Earthquake Fault Zone” as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. The closest known active fault is the Puente Hills (Coyote Hills) fault located approximately 2.7 miles to the northeast. Therefore, potential for ground rupture due to an earthquake beneath the sites is considered low.

5.2.2 Ground Shaking

The site is situated in a seismically active area that has historically been affected by generally moderate to occasionally high levels of ground motion. The site lies in relatively close proximity to several seismically active faults; therefore, during the life of the proposed improvements, the property will

probably experience similar moderate to occasionally high ground shaking from these fault zones, as well as some background shaking from other seismically active areas of the Southern California region. Design and construction in accordance with the current California Building Code (CBC) requirements are anticipated to address the issues related to potential ground shaking.

5.2.3 Landsliding

Geologic hazards associated with landsliding are not anticipated at the site since the site is relatively level.

5.2.4 Liquefaction

Our analyses indicate liquefaction could in soils located below a depth of 10 feet if groundwater were to rise to shallowest historic levels concurrent with a strong ground motion. Liquefaction could lead to a total seismic settlement (saturated and dry) of the ground surface of up to 5.3 inches due to seismic consolidation during liquefaction. The differential settlement due to seismic settlement would likely be on the order of ½ of the total seismic settlement or approximately 2.7 inches over 30 feet. Lateral spreading is not a significant risk at the site in consideration of the relatively flat site topography and lack of an nearby channel face or slope.

Based on the State of California Special Publication (SP) 117A, the seismic-induced settlement at the site does not fall within the Level of Liquefaction Hazard of "Large-scale Displacements." "Large scale Displacements" are defined as those that ***exceed*** 1-3 feet horizontally and 4-6 inches vertically. Therefore, the Level of Liquefaction Hazard is classified as a "Localized Failure." One of the suitable mitigation alternatives presented in the SP 117A for Localized Failures is the use of reinforced shallow foundations and improved structural design to withstand predicted vertical and lateral ground displacements.

The SP 117A also stated that hazards from liquefaction should be mitigated to the extent required to reduce seismic risk to "acceptable levels." The acceptable level of risk means, "that level that provides reasonable protection of the public safety" [California Code of Regulations Title 14, Section 3721 (a)]. The use of well-reinforced foundations, such as post-tensioned slabs, grade beams with structural slabs, or mat foundations have been proven to adequately provide basal support for similar structures during comparable liquefaction events. Specific recommendations to mitigate risks associated with liquefaction are provided in Section 6.3.

5.3 STATIC SETTLEMENT

As discussed in Section 4.2, analyses were performed to evaluate potential for static settlement of the underlying alluvium. Provided site grading is performed in accordance with the recommendations provided herein and based on the anticipated foundation loads, total and differential static settlement is not anticipated to exceed 1 inch and ½-inch over 30 feet, respectively, for the proposed commercial buildings. The estimated magnitudes of static settlements are considered within tolerable limits for the proposed structure.

5.4 EXCAVATION AND MATERIAL CHARACTERISTICS

Onsite earth materials are anticipated to be relatively easy to excavate with conventional heavy earthmoving equipment. The site earth materials are generally considered suitable for reuse as fill provided, they are cleared on deleterious debris and oversized rocks (greater than 4 inches in greatest dimension). Site materials are generally near the optimum moisture content. As such, fill soils derived from onsite soils will likely require the addition of nominal amounts of water and mixing in preparation for reuse as compacted fill.

Temporary construction slopes will be required to complete removal of unsuitable soils and for construction of underground utilities. Such excavations will require laybacks where they are surcharged or where they exceed 4 feet in height. Specific recommendations are provided in Section 6.1.8.

If encountered, portions of concrete debris and asphalt can likely be reduced in size (4 inches minus) and incorporated within fill soils during earthwork operations.

If onsite disposal systems, clarifiers, and other underground improvements are present beneath the site, these improvements will require proper abandonment or removal per the City guidelines.

5.5 SHRINKAGE AND SUBSIDENCE

Volumetric changes in earth quantities will occur when excavated onsite soil materials are replaced as properly compacted fill. We estimate that the near surface soils will shrink about 5 to 10 percent when removed and replaced as compacted fill. Subsidence due to reprocessing of removal bottoms is anticipated to be about 0.05 feet. The estimates of shrinkage and subsidence are intended as an aid for project engineers in determining earthwork quantities. However, these estimates should be used with some caution since they are not absolute values. Contingencies should be made for balancing earthwork quantities based on actual shrinkage and subsidence that occurs during the grading process.

5.6 SOIL EXPANSION

Based on our laboratory test results and the USCS visual manual classification, the near-surface soils are generally anticipated to possess a **Low** expansion potential. Additional testing for soil expansion will be required prior to construction of foundations and other concrete work to confirm these conditions.

6.0 RECOMMENDATIONS

6.1 EARTHWORK

6.1.1 General Earthwork and Grading Specifications

All earthwork and grading should be performed in accordance with applicable requirements of Cal/OSHA, applicable specifications of the Grading Codes of the City of Artesia, California in addition to the recommendations presented herein.

6.1.2 Pre-Grade Meeting and Geotechnical Observation

Prior to commencement of grading, we recommend a meeting be held between the developer, City Inspector, grading contractor, civil engineer, and geotechnical consultant to discuss the proposed grading and construction logistics. We also recommend a geotechnical consultant be retained to provide soil engineering and engineering geologic services during site grading and foundation construction. This is to observe compliance with the design specifications and recommendations and to allow for design changes in the event that subsurface conditions differ from those anticipated. If conditions are encountered that appear to be different than those indicated in this report, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

6.1.3 Site Clearing

Areas to be graded should be cleared of vegetation, existing asphalt and concrete, underground improvements to be abandoned and deleterious materials. Existing underground utility lines within the project area that will be protected in place and that fall within a 1 to 1 (H:V) plane projected down from the edges of footings may be subject to surcharge loads. Under such conditions, this office should be made aware of these conditions for evaluation of potential surcharging. Supplemental recommendations may be required to protect such improvements in place.

The project geotechnical consultant should be notified at the appropriate times to provide observation services during clearing operations to verify compliance with the above recommendations. Voids created by clearing and excavation should be left open for observation by the geotechnical consultant. Should any unusual soil conditions or subsurface structures be encountered during site clearing or grading that are not described or anticipated herein, these conditions should be brought to the immediate attention of the project geotechnical consultant for corrective recommendations as needed.

Temporary construction equipment (office trailers, power poles, etc.) should be positioned to allow adequate room for clearing and recommended ground preparation to be performed for proposed structures, pavements, and hardscapes.

6.1.4 Ground Preparation

In general, the artificial fill is considered unsuitable for support of the proposed development. Based on our exploratory borings, the depth of the artificial fill material is anticipated to be about 2 feet in depth. However, deeper fills are expected in the areas of the previous site improvements (i.e. utility lines) and where the current buildings and structures are located. All artificial fill soils should be removed to expose the underlying alluvial soils within the limits of the structures (buildings and site walls) and paving.

Removal of unsuitable materials should extend laterally beyond the limits of the proposed buildings a distance equal to the depth of removal (i.e. 1:1 projection) but not less than 5 feet. Removals within pavements and footings for site walls may be limited to the edge of foundations or pavement where lateral restrictions to removals are present such as property lines.

All removal and overexcavations should be evaluated by the geotechnical consultant during grading to confirm the exposed conditions are as anticipated and to provide supplemental recommendations if required.

6.1.5 Scarification

Prior to placement of compacted fill, the exposed ground should be scarified to a depth of 6 to 8 inches, moisture conditioned to at least 110 percent of the optimum moisture content, then compacted to at least 90 percent of the laboratory standard. The laboratory standard for maximum dry density and optimum moisture content for each soil type should be determined in accordance with ASTM D 1557.

6.1.6 Fill Placement

Materials excavated from the site may be reused as fill provided, they are free of deleterious materials and particles greater than 4 inches in maximum dimension (oversized materials). Asphaltic and concrete debris generated during site demolition or encountered within the existing fill can be incorporated within new fill soils during earthwork operations provided they are reduced to no more than 4 inches in maximum dimension. Such materials should be mixed thoroughly with fill soils to prevent nesting. All fill should be placed in lifts no greater than 8 inches in loose thickness, moisture conditioned to at least 110% of optimum moisture content, then compacted in place to at least 90 percent of the laboratory standard. Each lift should be treated in a similar manner. Subsequent lifts should not be placed until the project geotechnical consultant has approved the preceding lift.

6.1.7 Import Materials

If import materials are required to achieve the proposed finish grades, the proposed import soils should have an Expansion Index (EI, ASTM D 4829) less than 20 and possess negligible soluble sulfate concentrations. Import sources should be indicated to the geotechnical consultant prior to hauling the materials to the site so that appropriate testing and evaluation of the fill materials can be performed in advance.

6.1.8 Temporary Excavations

Temporary construction slopes in site materials that are not surcharged may be cut vertically up to a height of 4 feet. Temporary excavations greater than 4 feet but no greater than 10 feet in height that are not surcharged should be laid back at a maximum gradient of 1:1 (H:V) or properly shored.

Excavations should not be left open for prolonged periods of time. The project geotechnical consultant should observe all temporary cuts to confirm anticipated conditions and to provide alternate recommendations if conditions dictate. All excavations should conform to the requirements of Cal/OSHA. The current removal requirement is 12 inches below existing grade and not expected to undermine the existing foundations. However, if deeper removals are required during grading and where insufficient room exists for recommended lay back cuts, shoring or slot cutting methods may be required. Additional recommendations for such conditions can be provided at that time based on the observed materials and subsequent lab testing.

6.2 SEISMIC DESIGN PARAMETERS

6.2.1 Mapped Seismic Design Parameters

For design of the project in accordance with Chapter 16 of the 2019 CBC, the mapped seismic parameters may be taken as presented in the tables below.

TABLE 6.1
2019 CBC Mapped Seismic Design Parameters

Parameter	Value
Site Class	D
Mapped MCE_R Spectral Response Acceleration, short periods, S_S	1.552
Mapped MCE_R Spectral Response Acceleration, at 1-sec. period, S_1	0.552
Site Coefficient, F_a	1.0
Site Coefficient, F_v	1.7445*
Adjusted MCE_R Spectral Response Acceleration, short periods, S_{MS}	1.552
Adjusted MCE_R Spectral Response Acceleration, at 1-sec. period, S_{M1}	0.968
Design Spectral Response Acceleration, short periods, S_{DS}	1.034
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	0.645
Long-Period Transition Period, T_L (sec.)	8
Seismic Design Category for Risk Categories I-IV	II

MCE_R = Risk-Targeted Maximum Considered Earthquake

*According to Section 11.4.8 in ASCE 7-16, "a ground motion hazard analysis shall be performed in accordance with Section 21.2 for the following structures on Site Class D and E sites with S_1 greater than or equal to 0.2." However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient C_s is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." The F_v value of 1.7 above from Table 11.4-2 assumes that this exception is met and that a ground motion hazard analysis is not required. Should this exception not be met, the site-specific seismic design parameters provided in the next section should be used.

6.2.2 Site-Specific Seismic Design Parameters

In addition to the Code Spectra parameters presented in Table 6.1, we have performed a site-specific ground motion hazard analysis in accordance with Chapter 21 of ASCE 7-16 to obtain site-specific seismic design acceleration parameters, the risk-targeted maximum considered earthquake response spectrum, and the design earthquake response spectrum. The site-specific seismic design parameters are presented below.

TABLE 6.2
2019 CBC Site Specific Seismic Design Parameters

Parameter	Value
Site Class	D
Site Coefficient, F_a	1.0
Site Coefficient, F_v	2.5
Adjusted MCE Spectral Response Acceleration, short periods, S_{MS}	1.833
Adjusted MCE Spectral Response Acceleration, at 1-sec. period, S_{M1}	1.822
Design Spectral Response Acceleration, short periods, S_{DS}	1.222
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	1.214

MCE = Maximum Considered Earthquake

6.3 CONVENTIONAL FOUNDATION DESIGN

6.3.1 General

As discussed in Section 5.2.4, the site is prone to liquefaction. To mitigate this condition, we recommend structures be supported by a foundation system consisting of a mat, post-tensioned slab, or spread footings tied together with a structural slab with grade beams. For this project, we have assumed the foundation system will utilize spread footings tied together with a structural slab with grade beams. Specific recommendations for this system is provided in the following sections. Recommendations for other systems can be provided upon request.

The following design parameters are provided to assist the project structural engineer to design foundations for structures at the site. These design parameters are based on typical site materials encountered during subsurface exploration and are provided for preliminary design and estimating purposes. The project geotechnical consultant should provide final design parameters following observation and testing of site materials during grading. Depending on actual materials encountered during site grading, the design parameters presented herein may require modification.

6.3.2 Soil Expansion

The recommendations presented herein are based on soils with a **Low** expansion potential. Following site grading, additional testing of site soils should be performed by the project geotechnical consultant to confirm the basis of these recommendations. If site soils with higher expansion potentials are encountered or imported to the site, the recommendations contained herein may require modification.

6.3.3 Static and Seismic Settlement

Based on anticipated foundation loads and provided that the recommendations for ground preparation in this report are followed, total and differential static settlement are anticipated to be less than 1 inch and ½ inch over 30 feet, respectively. These values are considered within tolerable limits of proposed structures and site improvements. Design of the structures should consider these maximum anticipated settlements.

6.3.4 Allowable Bearing Value

Foundations may utilize a bearing value of 2,000 pounds per square foot (psf) for continuous and pad footings a minimum width of 12 inches and founded at a minimum depth of 12 inches below the lowest adjacent grade. This value may be increased by 260 psf and 700 psf for each additional foot in width and depth, respectively, up to a maximum value of 4,000 psf. Recommended allowable bearing values include both dead and live loads may be increased by one-third for wind and seismic forces.

6.3.5 Lateral Resistance

For foundations that are founded in the native alluvial soils or compacted fill, a passive earth pressure of 300 pounds per square foot per foot of depth (psf/ft) up to a maximum value of 1,500 pounds per square foot (psf) may be used to determine lateral bearing for footings. This value may be increased by one-third when designing for wind and seismic forces. A coefficient of friction of 0.33 times the dead load forces may also be used between concrete and the supporting soils to determine lateral sliding resistance. No increase in the coefficient of friction should be used when designing for wind and seismic forces.

The above values are based on footings placed directly against compacted fill or competent native soils. In the case where footing sides are formed, all backfill against the footings should be compacted to at least 90 percent of the laboratory standard.

6.3.6 Footing Dimensions and Reinforcement

Exterior and interior pad footings should be founded at a minimum depth of 12 inches below the lowest adjacent grade and have a minimum width of 12 inches. All continuous footings should have a minimum depth of 12 inches below lowest adjacent grade and a minimum width of 12 inches.

All continuous footings should be reinforced with a minimum of four No. 5 bars, two top and two bottom. The structural engineer may require different reinforcement and should dictate if greater than the recommendations provided herein.

All isolated pad footings should be tied in both directions with a concrete grade beam to the nearest foundation. Grade beams should be at least 12 inches wide by 12 inches deep and be reinforced with four No. 5 bars, two top and two bottom. Reinforcing for the grade beams should tie into the adjacent footings.

6.3.7 Slabs on Grade

Interior concrete slabs constructed on grade should be a minimum 6 inches thick and should be reinforced with No. 3 bars spaced 18 inches each way. Care should be taken to ensure the placement of reinforcement at mid-slab height. The structural engineer may recommend a greater slab thickness and reinforcement based on proposed use and loading conditions and such recommendations should govern if greater than the recommendations presented herein. No. 4 tie bars should be provided between the slab and connecting grade beams at a spacing of 18 inches.

For consideration of point loading that may occur on the slab, a subgrade of modulus, K_{V1}, of 100 pci may be used.

Concrete floor slabs in areas to receive carpet, tile, or other moisture sensitive coverings should be underlain with a moisture vapor barrier 10-mil Visqueen, or equal. The membrane should be properly lapped, sealed, and protected with at least 2 inches of sand having an SE of 30 or more. This vapor barrier system is anticipated to be suitable for most flooring finishes that can accommodate some vapor emissions. However, this system may emit more than 4 pounds of water per 1000 sq. ft. and therefore, may not be suitable for all flooring finishes. Additional steps should be taken if such vapor emission levels are too high for anticipated flooring finishes.

Special consideration should be given to slabs in areas to receive ceramic tile or other rigid, crack-sensitive floor coverings. Design and construction of such areas should mitigate hairline cracking as recommended by the structural engineer.

Block-outs should be provided around interior columns to permit relative movement and mitigate distress to the floor slabs due to differential settlement that will occur between column footings and adjacent floor subgrade soils as loads are applied.

Prior to placing concrete, subgrade soils below slab-on-grade areas should be thoroughly moistened to provide a moisture content that is equal to or greater than 110% of the optimum moisture content to a depth of 12 inches.

6.3.8 Foundation Observations

Foundation excavation should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended above. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4 RETAINING AND SCREENING WALLS

6.4.1 General

The following preliminary design and construction recommendations are provided for general retaining and screen walls supported by engineered compacted fill or competent native soils. Final wall designs specific to the site development should be provided for review once completed. The structural engineer and architect should provide appropriate recommendations for sealing at all joints and applying moisture-proofing material on the back of the walls.

6.4.2 Allowable Bearing Value and Lateral Resistance

Design of retaining and screen walls may utilize the bearing and lateral resistance values provided in Sections 6.3.4 and **Error! Reference source not found.**.

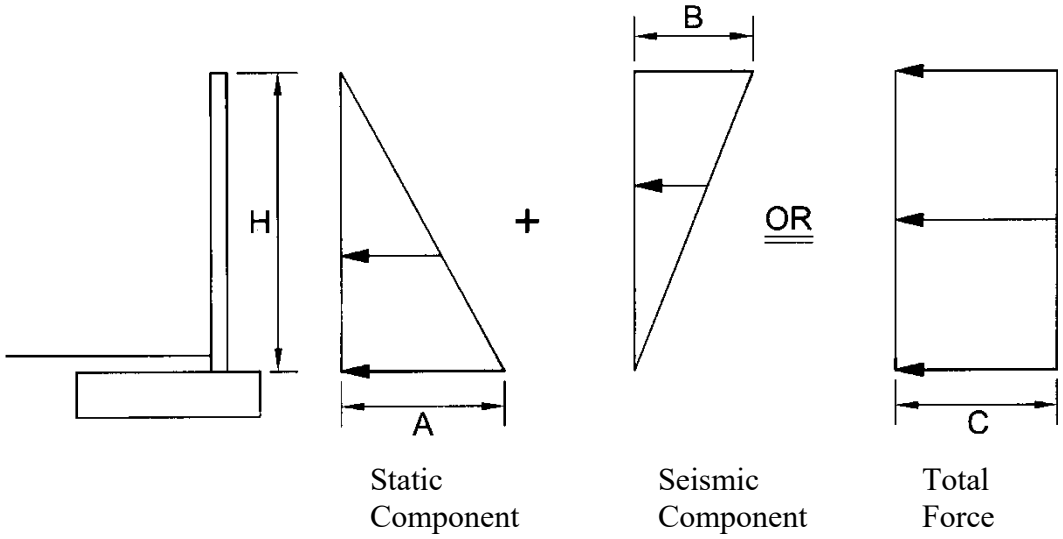
6.4.3 Active Earth Pressures

Static and seismic earth pressures for level and 2:1 (H:V) backfill conditions are provided in Table 6.3. Seismic earth pressures provided herein are based on the method provided by Seed & Whitman (1970) using a peak ground acceleration (PGA) of 0.42 g for 10% probability of exceedance in 50 years. As indicated in Section 1803.5.12 of the 2019 CBC, retaining walls supporting 10 feet of

backfill or less are not required to be designed for seismic earth pressures. The values provided in the following table do not consider hydrostatic pressure. Retaining walls should also be designed to support adjacent surcharge loads imposed by other nearby footings or traffic loads in addition to the earth pressure.

TABLE 6.3

SEISMIC EARTH PRESSURES
Pressure Diagram



Pressure Values
Walls Up To 10 Feet High

Value	Backfill Condition	
	Level	2H:1V Slope
A	33H	54H
B	12.5H	12.5H
C	23H	33.5H

Note:
H is in feet and resulting pressure is in psf. Design may utilize either the sum of the static component and the seismic component force diagrams or the total force diagram above. SEAOSC has suggested using a load factor of 1.7 for the static component and 1.0 for the seismic component. The actual load factors should be determined by the structural engineer.

6.4.4 Drainage and Moisture-Proofing

Retaining walls should be constructed with a perforated pipe and gravel subdrain to prevent entrapment of water in the backfill. The perforated pipe should consist of 4-inch-diameter, ABS SDR-

35 or PVC Schedule 40 with the perforations laid down. The pipe should be embedded in ¾- to 1½-inch open-graded gravel wrapped in filter fabric. The gravel should be at least one foot wide and extend at least one foot up the wall above the footing and drainage outlet. Drainage gravel and piping should not be placed below outlets and weepholes. Filter fabric should consist of Mirafi 140N, or equal. Outlet pipes should be directed to positive drainage devices.

The use of weepholes may be considered in locations where aesthetic issues from potential nuisance water are not a concern. Weepholes should be 2 inches in diameter and provided at least every 6 feet on center. Where weepholes are used, perforated pipe may be omitted from the gravel subdrain.

Retaining walls supporting backfill should also be coated with a moisture-proofing compound or covered with such material to inhibit infiltration of moisture through the walls. Moisture-proofing material should cover any portion of the back of wall that will be in contact with soil and should lap over and onto the top of footing. A drainage panel should be provided between the soil backfill and water proofing. The panel should extend from the top of the backdrain gravel up to within 12 inches of finish grade. The top of footing should be finished smooth with a trowel where moisture proofing-materials are applied to inhibit the infiltration of water through the wall. The project structural engineer should provide specific recommendations for moisture-proofing, water stops, and joint details.

6.4.5 Footing Reinforcement and Wall Jointing

All continuous footings should be reinforced with a minimum of two No. 4 bars, one top and one bottom. Walls should be provided with cold joints spaced no more than 20 feet apart. Wall finishes and capping materials should not extend across the cold joint. The structural engineer may require different reinforcement or jointing and should dictate if greater than the recommendations provided herein. Where recommended removals are limited due to space restrictions, greater reinforcement and closer jointing may be recommended. Specific recommendations should be provided by the geotechnical consultant during grading based on as-built conditions exposed in the field.

6.4.6 Foundation Observations

Footing excavations should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended herein. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.5 EXTERIOR FLATWORK

Exterior flatwork should be a minimum 4 inches thick. Cold joints or saw cuts should be provided at least every 7 feet in each direction. Flatwork having a minimum dimension more than 7 feet should be reinforced with No. 3 bars spaced 18 inches center to center each way or 6-inch by 6-inch, W4 by W4 welded wire mesh. Special jointing detail should be provided in areas of block-outs, notches, or other irregularities to avoid cracking at points of high stress. Subgrade soils below flatwork should be thoroughly moistened to at least 110 percent of the optimum moisture content to a depth of 12 inches. Moistening should be accomplished by lightly spraying the area over a period of a few days just prior to pouring concrete. The geotechnical consultant should observe and verify the density and moisture

content of subgrade soils prior to pouring concrete to ensure that the required compaction and pre-moistening recommendations have been met.

Drainage from flatwork areas should be directed to local area drains and/or other appropriate collection devices designed to carry runoff water to the street or other approved drainage structures. The concrete flatwork should also be sloped at a minimum gradient of 0.5 percent away from building foundations and retaining walls.

6.6 CONCRETE MIX DESIGN

Laboratory testing of near-surface soils for soluble sulfate content indicates soluble sulfate concentration of 0.002%. We recommend following the procedures provided in ACI 318, Section 19.3.1, Table 19.3.1.1 for **S0** sulfate exposure. Upon completion of rough grading, an evaluation of as-graded conditions and further laboratory testing should be completed for the site to confirm or modify the recommendations provided in this section.

6.7 CORROSION

Results of preliminary testing of soils for pH, chloride, and minimum resistivity indicate the site is potentially **Highly Corrosive** to metals that are in contact or close proximity to onsite soils. As such, specific recommendations should be obtained from a corrosion specialist if construction will include metals that will be near or in direct contact with site soils.

6.8 PRELIMINARY PAVEMENT DESIGN

6.8.1 Preliminary Pavement Structural Sections

Based on the soil conditions present at the site and an estimated traffic index, preliminary pavement sections are provided in the table below. A laboratory tested "R-value" of 33 was used for the near-surface soil in this preliminary pavement design. The sections provided below are for planning purposes only and should be re-evaluated subsequent to site grading. Final pavement sections should be based on actual R-value testing of in-place soils and analysis of anticipated traffic.

6.8.2 Subgrade Preparation

Prior to placement of paving elements, subgrade soils should be scarified 6 inches, moisture-conditioned to above the optimum moisture content then compacted to at least 90 percent of the maximum dry density determined in accordance with ASTM D1557. Areas observed to pump or yield under vehicle traffic should be removed and replaced with firm and unyielding engineered compacted soil or aggregate base materials.

6.8.3 Aggregate Base

Aggregate base materials should be Crushed Aggregate Base or Crushed Miscellaneous Base conforming to Section 200-2 of the Standard Specification for Public Works Construction (Greenbook) or Class 2 Aggregate Base conforming to the Caltrans' Standard Specifications. The materials should be moisture conditioned to slightly over the optimum moisture content then compacted to at least 95 percent of ASTM D 1557.

TABLE 6.4
PRELIMINARY PAVEMENT STRUCTURAL SECTIONS

Location	Traffic Index	AC (inches)	PCC (inches)	AB (inches)
Truck Drive Areas	7.5	4.0	--	11.0
		--	8.0	--
Parking Drives	5.0	3.0	--	5.0
		--	5.0	--
Parking Stalls	--	3.0	--	5.0

6.8.4 Asphaltic Concrete

Paving asphalt should be PG 64-10 conforming to the requirements of Section 203-1 of the Greenbook. Asphalt concrete materials should conform to Section 203-6 and construction should conform to Section 302 of the Greenbook.

6.8.5 Portland Cement Concrete

Portland cement concrete used to construct concrete paving should conform to Section 201 of the Greenbook and should have a minimum compressive strength of 3,250 pounds per square inch (psi) at 28 days. Reinforcement and jointing of concrete pavement sections should be designed according to the minimum recommendations provided by the Portland Cement Association (PCA). For rigid pavement, transverse and longitudinal contraction joints should be provided at spacing no greater than 15 feet. Score joints may be constructed by saw cutting to a depth of ¼ of the slab thickness. Expansion/cold joints may be used in lieu of score joints. Such joints should be properly sealed. Where traffic will traverse over cold joints without keyways or dowels or edges of concrete paving, the edges should be thickened by 20% of the design thickness toward the edge over a horizontal distance of 5 feet.

6.9 POST GRADING CONSIDERATIONS

6.9.1 Site Drainage and Irrigation

The ground immediately adjacent to foundations should be provided with positive drainage away from the structures in accordance with 2019 CBC, Section 1804.4. Based on soil and climatic conditions, the ground slope within 10 feet of the buildings may be reduced to 2%. No rain or excess water should be allowed to pond against structures such as walls, foundations, flatwork, etc.

Excessive irrigation water can be detrimental to the performance of the proposed site development. Water applied in excess of the needs of vegetation will tend to percolate into the ground. Such percolation can lead to nuisance seepage and shallow perched groundwater. Seepage can form on slope faces, on the faces of retaining walls, in streets, or other low-lying areas. These conditions could lead to adverse effects such as the formation of stagnant water that breeds insects, distress or damage of trees, surface erosion, slope instability, discoloration and salt buildup on wall faces, and premature

failure of pavement. Excessive watering can also lead to elevated vapor emissions within buildings that can damage flooring finishes or lead to mold growth inside the home.

Key factors that can help mitigate the potential for adverse effects of overwatering include the judicious use of water for irrigation, use of irrigation systems that are appropriate for the type of vegetation and geometric configuration of the planted area, the use of soil amendments to enhance moisture retention, use of low-water demand vegetation, regular use of appropriate fertilizers, and seasonal adjustments of irrigation systems to match the water requirements of vegetation. Specific recommendations should be provided by a landscape architect or other knowledgeable professional.

6.9.2 Utility Trenches

Trench excavations should be constructed in accordance with the recommendations contained in Section 6.1.8 of this report. Trench excavations must also conform to the requirements of Cal/OSHA.

Trench backfill materials and compaction criteria should conform to the requirements of the local municipalities. As a minimum, utility trench backfill should be compacted to at least 90 percent of the laboratory standard. Materials placed within the pipe zone (6 inches below and 12 inches above the pipe) should consist of particles no greater than ¾ inches and have a SE of at least 30. The materials within the pipe zone should be moisture-conditioned and compacted by hand-operated compaction equipment. Above the pipe zone (>1 foot above pipe), the backfill may consist of general fill materials. Trench backfill should be moisture-conditioned to slightly over the optimum moisture content, placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. For trenches with sloped walls, backfill material should be placed in lifts no greater than 8 inches in loose thickness, and then compacted by rolling with a sheepsfoot roller or similar equipment. The project geotechnical consultant should perform density testing along with probing to verify that adequate compaction has been achieved.

Within shallow trenches (less than 18 inches deep) where pipes may be damaged by heavy compaction equipment, imported clean sand having a SE of 30 or greater may be utilized. The sand should be placed in the trench, thoroughly watered, and then compacted with a vibratory compactor. For utility trenches located below a 1:1 (H:V) plane projecting downward from the outside edge of the adjacent footing base or crossing footing trenches, concrete or slurry should be used as trench backfill.

6.10 PLAN REVIEW AND CONSTRUCTION SERVICES

We recommend ***Albus & Associates, Inc.*** be engaged to review any future development plans, including civil plans (grading plans), foundation plans, and proposed structural loads, prior to construction. This is to verify that the assumptions of this report are valid and that the preliminary conclusions and recommendations contained in this report have been properly interpreted and are incorporated into the project plans and specifications. If we are not provided the opportunity to review these documents, we take no responsibility for misinterpretation of our preliminary conclusions and recommendations.

We recommend that a geotechnical consultant be retained to provide soil engineering services during construction of the project. These services are to observe compliance with the design, specifications

or recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

If the project plans change significantly from the assumed development described herein, the project geotechnical consultant should review our preliminary design recommendations and their applicability to the revised construction. If conditions are encountered during construction that appear to be different than those indicated in this report or subsequent design reports, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

7.0 LIMITATIONS

This report is based on the proposed development and geotechnical data as described herein. The materials encountered on the project site and utilized in our laboratory testing for this investigation are believed representative of the total project area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observation and testing by a geotechnical consultant during the grading and construction phases of the project are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein.

This report has been prepared for the exclusive use of **G3 Urban Company** and their project consultants in the planning and design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

Respectfully submitted,

ALBUS & ASSOCIATES, INC.

Eung Jin Jeon, Ph.D.
Associate Engineer
G.E. 3096

Reviewed by:

David E. Albus
Principal Engineer
G.E. 2445

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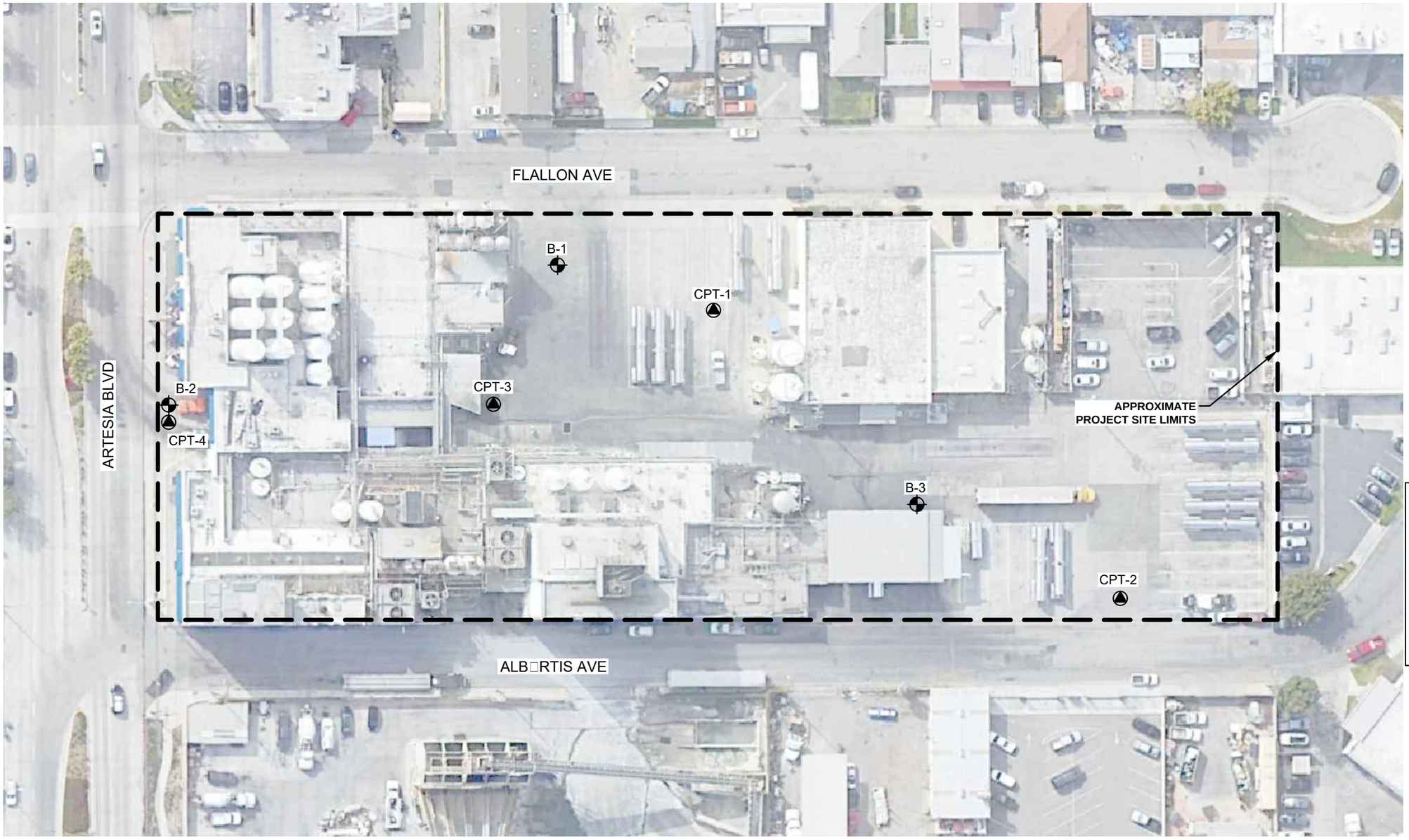


Google 2021

0 30 60 120

APPROX SCALE : 1" □ 60□

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- CPT

ALBUS ASSOCIATES

GEOTECHNICAL MAP

Job No.: 3027.00	Date: 12/07/2021	Plate: 1

APPENDIX A

EXPLORATION LOGS AND CONE PENETRATION TEST RESULTS

Field Identification Sheet

Light gray

Gray

Dark gray

Gray Brown

Light brown

Brown

Dark Brown

Olive brown

Olive

Yellow

Yellowish brown

Yellowish red

Red

Reddish Brown

Tan

Description Order:

Description, Color, Moisture, Density, Grain Size, Additional Description

Description	%	Example
	0-5	Sand
trace	5-15	Sand trace Silt
with	15-30	Sand with Silt
	30+	Silty Sand

More Examples

Sand with Silt trace Clay

Sand trace Silt and Clay

Sand with Silt and Clay

Gravelly Sand with Silt trace Clay

Silty Clay with Sand trace Gravel

Moisture

Dry	absence of water
Damp	below optimum
Moist	near optimum
Very Moist	above optimum
Wet	free water visible

Density (Navfac)

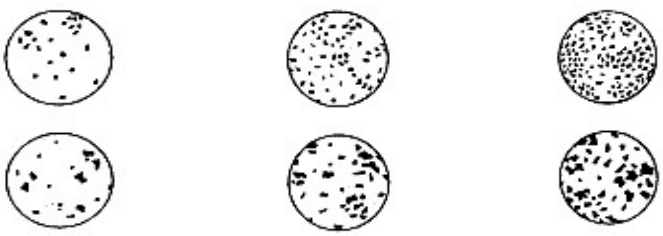
Coarse grained soils	SPT	CA
Very Loose	0-3	0-5
Loose	3-8	5-13
Medium Dense	8-14	13-22
Dense	14-25	22-40
Very Dense	25>	40>
Fine grained soils		
Very Soft	2<	0-3
Soft	2-4	3-6
Medium Stiff	4-8	6-13
Stiff	8-15	13-24
Very Stiff	15-30	24-48
Hard	30>	48>

Grain Size

Description		Sieve Size	Approx. Size
Boulders		>12"	Larger than basketball
Cobbles		3-12"	Fist to basketball
Gravel	coarse	3/4-3"	Thumb to Fist
	fine	#4-3/4"	Pea to Thumb
Sand	coarse	#10-4	Rock Salt to Pea
	medium	#40-10	Sugar to Rock Salt
	fine	#200-40	Flour to Sugar
Fines		Pass #200	Smaller than Flour

Additional Description (ie. roots, pinhole pores, debris, etc.)

Trace 5% Moderate 15% Abundant 30%



EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
5		**EXPLANATION** Solid lines separate geologic units and/or material types. Dashed lines indicate unknown depth of geologic unit change or material type change. **Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD). **Double triangle** in core column represents SPT sampler. **Vertical Lines** in core column represents Shelby sampler. **Solid black rectangle** in Bulk column respresents large bag sample. **Other Laboratory Tests:** Max = Maximum Dry Density/Optimum Moisture Content EI = Expansion Index SO4 = Soluble Sulfate Content DSR = Direct Shear, Remolded DS = Direct Shear, Undisturbed SA = Sieve Analysis (1" through #200 sieve) Hydro = Particle Size Analysis (SA with Hydrometer) 200 = Percent Passing #200 Sieve Consol = Consolidation SE = Sand Equivalent Rval = R-Value ATT = Atterberg Limits							
10									
15									
20									

EXPLORATION LOG

Project:		Location: B-1
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 54.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							Max EI SO4 DS RVal pH Resist Ch Consol ATT
		ARTIFICIAL FILL (Af) Sandy Silt (ML): Grayish brown, moist, fine grained sand		14	■	■	22.4	100.7	
		ALLUVIUM (Qal) Sandy Silt (ML): Grayish brown, moist, stiff, fine grained sand, moderate pinhole pores		15	■	■	19.1	104.5	
5		@ 4 ft, more fine grained sand present Sand trace Silt (SP): Light gray, moist, loose, fine to medium grained sand		9	■		11.9	100.5	
10		Sandy Silt / Silty Sand (ML/SM): Grayish brown, very moist, stiff / medium dense, fine grained sand	▽	17	■		20.1	99.8	
15		Sand trace Silt (SP): Grayish brown, wet, medium dense, fine to medium grained sand		14	⧗				
20		Sandy Silt (SM): Grayish brown, wet, medium stiff, fine grained sand		4	⧗				200
25		Sand trace Silt (SP): Light gray, wet, medium dense, fine to medium grained sand		16	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Concrete							
		ARTIFICIAL FILL (Af)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, fine grained sand		17	■		24.2	97.9	Consol
		ALLUVIUM (Qal)							
		Sandy Silt trace Clay (ML): Grayish brown, damp to moist, medium dense, fine grained sand, trace pinhole pores, decayed rootlets		15	■		19.4	100.5	
5		Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand		12	■		15.7	90.7	
		Silty Sand (SM): Light grayish brown, very moist, loose, fine grained sand							
10		Sandy Silt trace Clay (ML): Grayish brown, very moist, stiff, fine grained sand		18	■		12.6	98.8	Consol
		Silty Sand (SM): Grayish brown, very moist, medium dense, fine grained sand							
		Sand trace Silt (SP): Grayish brown, very moist, medium dense, fine to medium grained sand	▽						
15		Silty Sand (SM): Grayish brown, wet, medium dense, fine grained sand, significant fines		12	▼				
		@ 16.3 ft, Gray							
20		Silty Sand (SM): Grayish brown, wet, loose, fine grained sand		6	▼				200
25		Sand trace Silt (SP): Light grayish brown, wet, dense, fine to medium grained sand		19	▼				

EXPLORATION LOG

Project:		Location: B-2
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 53.4
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Silty Sand trace Clay (SM): Grayish brown, wet, medium dense, fine grained sand		8					200
35		Sand trace Silt (SP): Grayish brown, wet, dense, fine to medium grained sand		25					
40		Sandy Silt (ML): Gray, wet, very stiff, fine grained sand		13					200
45		Sand (SP): Grayish brown, wet, very dense, fine to medium grained sand		35					
50		Sandy Silt (ML): Grayish brown, wet, very stiff, fine grained sand		11					
		Total Depth 51.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

EXPLORATION LOG

Project:		Location: B-3
Address: 180 Flallon Avenue, Artesia, CA 90701		Elevation: 57
Job Number: 3027.00	Client: G3 Urban	Date: 11/2/2021
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: ddalbus

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		concrete with rebar							
		ARTIFICIAL FILL (Af) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, fine grained sand		15	■		20.9	102.9	
		ALLUVIUM (Qal) Silty Sand / Sandy Silt (SM/ML): Grayish brown, moist, medium dense / stiff, fine grained sand, trace pinhole pores		13	■		19.2	101.8	
5		@ 4 ft, loose / stiff Silty Sand (SM): Grayish brown, moist, loose, fine grained sand		11	■		15.3	97	Consol
10		@ 10 ft, very moist, medium dense	▽	17	■		15.4	93.2	
15		Sand trace Silt and Clay (SP): Grayish brown, wet, loose, fine grained sand		4	⧗				
		Silty Sand (SM): Gray, wet, loose, fine to medium grained sand							
20		Silty Sand with Clay (SM): Grayish brown, wet, loose, fine grained sand		4	⧗				200
25		Sand (SP): Grayish brown, wet, medium dense, fine to medium grained sand		11	⧗				
		Total Depth 26.5 feet Groundwater 14 feet Boring backfilled with bentonite and capped with concrete							

SUMMARY

OF

CONE PENETRATION TEST DATA

Project:

180 Flallon Avenue
Artesia, CA
November 2, 2021

Prepared for:

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3. **FIELD EQUIPMENT & PROCEDURES**
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APPENDIX

- CPT Plots
- CPT Classification/Soil Behavior Chart
- CPT Data Files (sent via email)

SUMMARY

OF

CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the project located at 180 Flallon Avenue in Artesia, California. The work was performed by Kehoe Testing & Engineering (KTE) on November 2, 2021. The scope of work was performed as directed by Albus & Associates personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at four locations to determine the soil lithology. A summary is provided in **TABLE 2.1**.

LOCATION	DEPTH OF CPT (ft)	COMMENTS/NOTES:
CPT-1	50	
CPT-2	50	
CPT-3	50	
CPT-4	50	

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone with a cone net area ratio of 0.83. The following parameters were recorded at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for up to 2 years for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil behavior type on the CPT plots is derived from the attached CPT SBT plot (Robertson, "Interpretation of Cone Penetration Test…", 2009) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

The CPT data files have also been provided. These files can be imported in CPeT-IT (software by GeoLogismiki) and other programs to calculate various geotechnical parameters.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING

Steven P. Kehoe
President

11/04/21-hh-3536

APPENDIX

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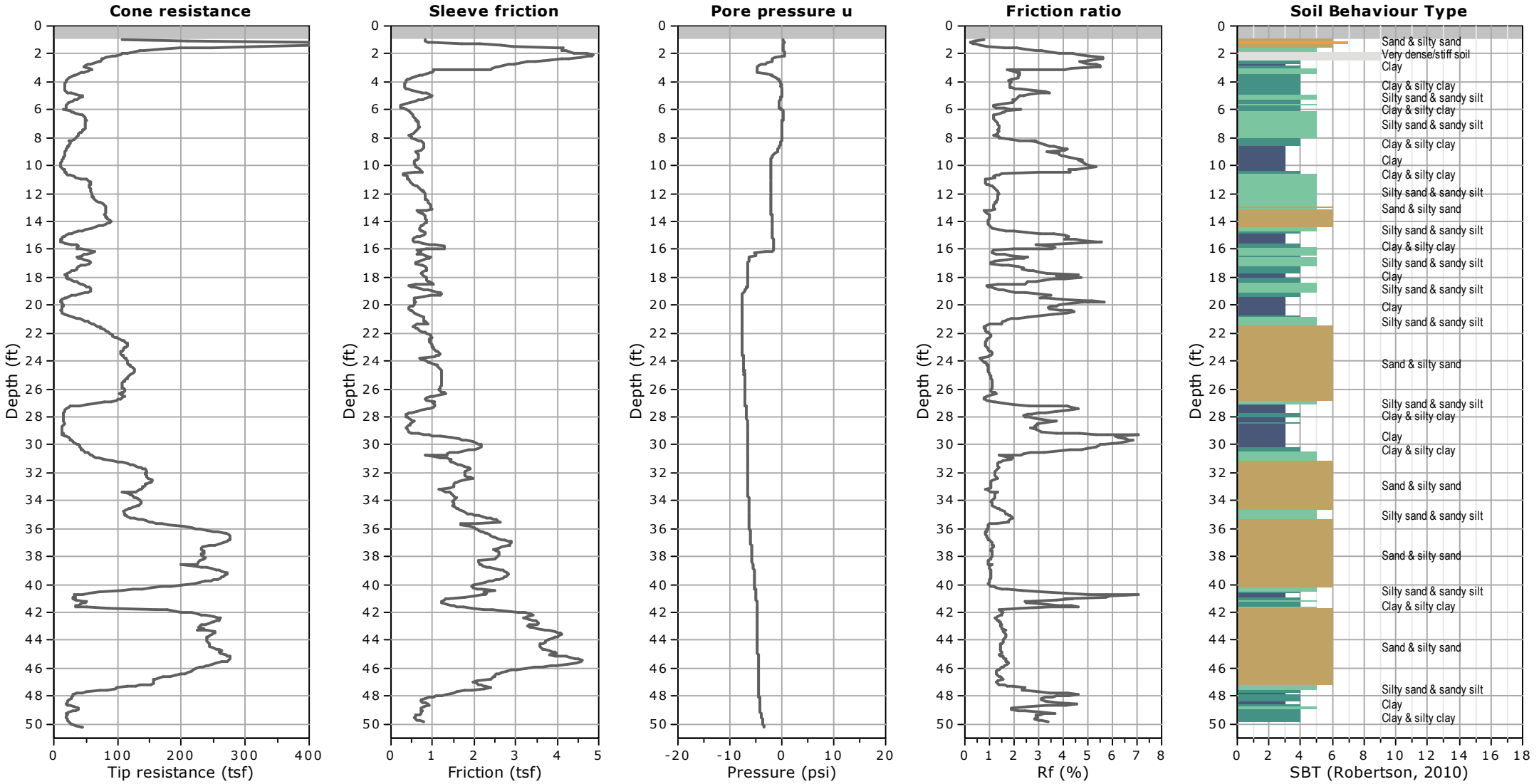
Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

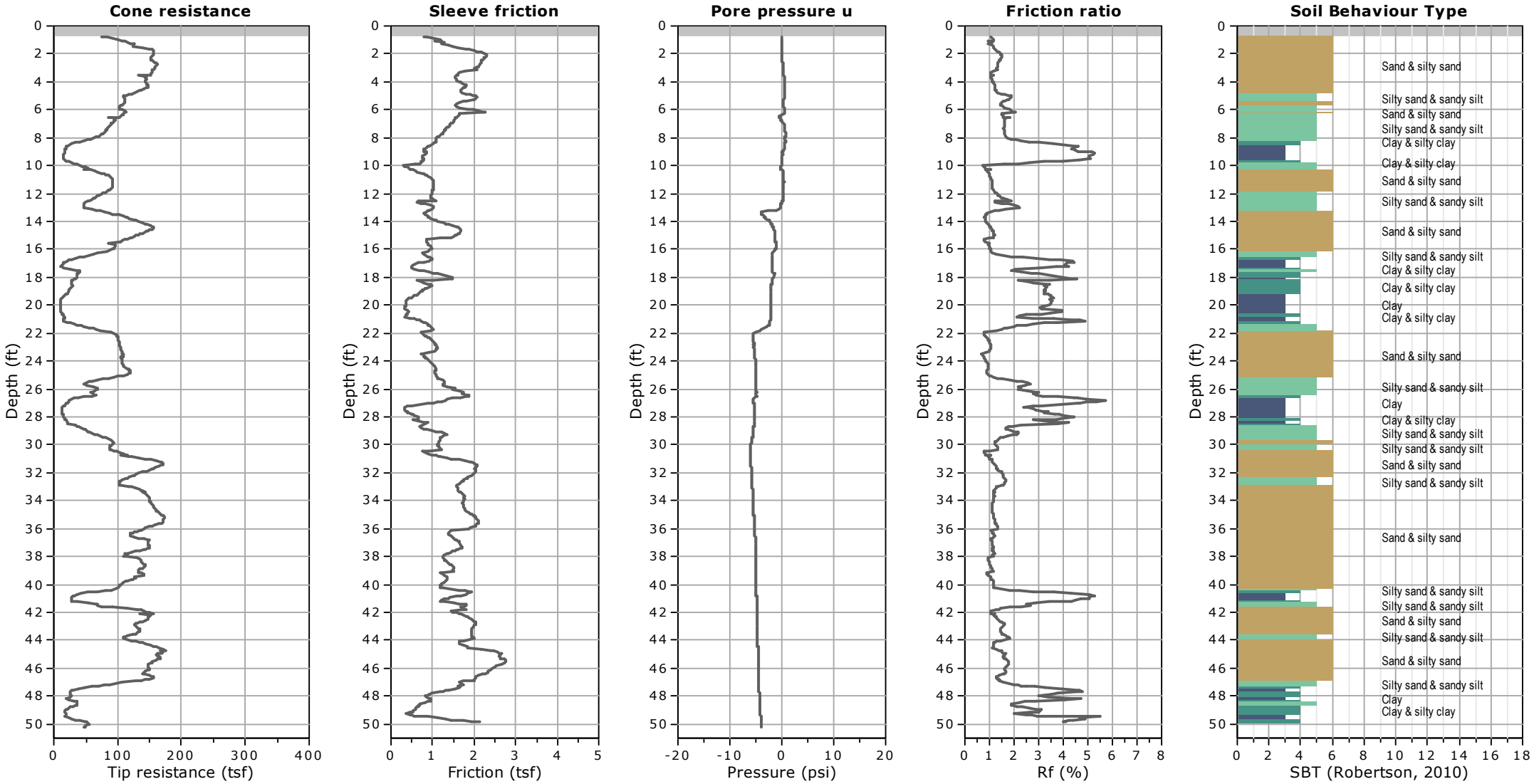
CPT-1
Total depth: 50.20 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

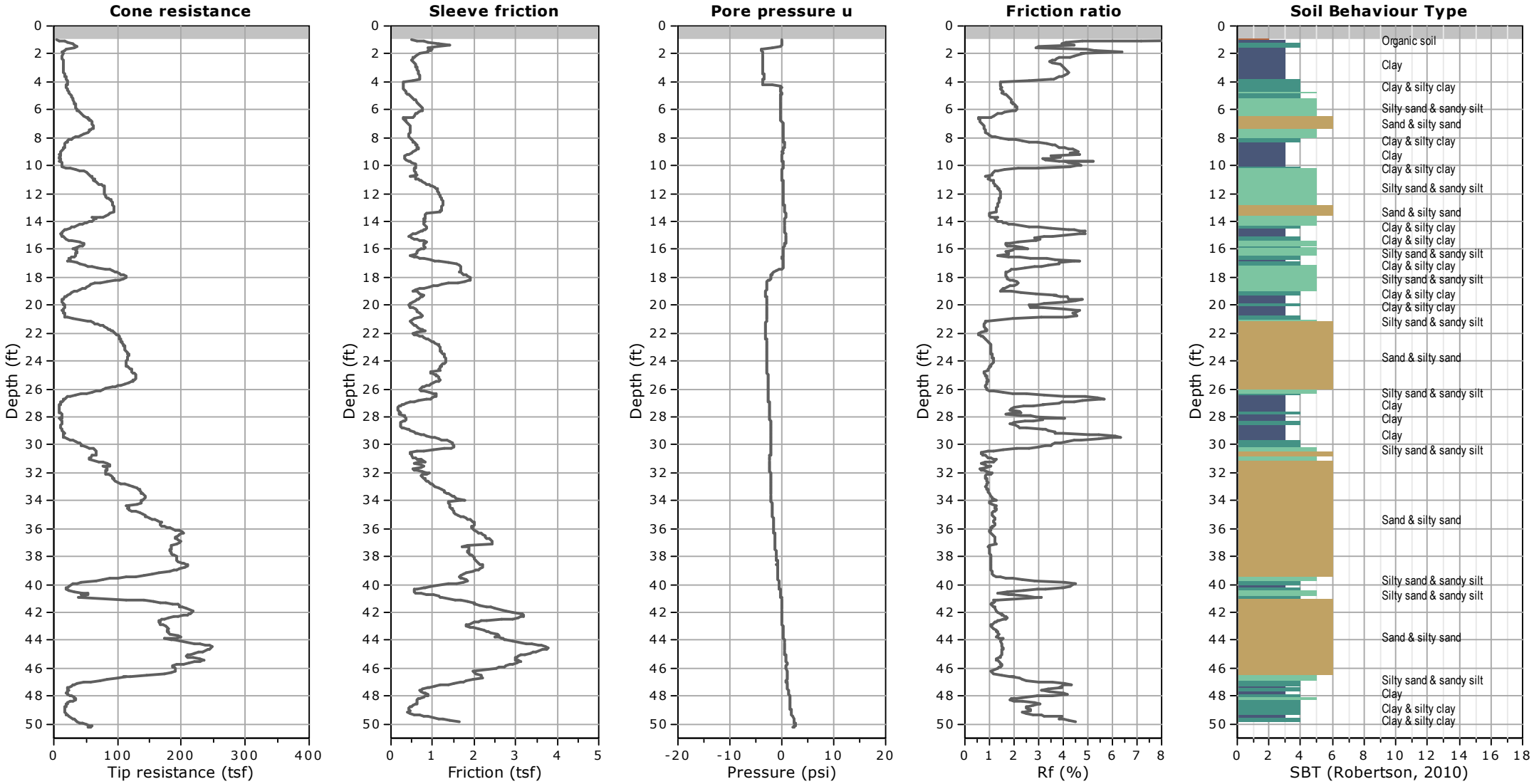
CPT-2
Total depth: 50.22 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

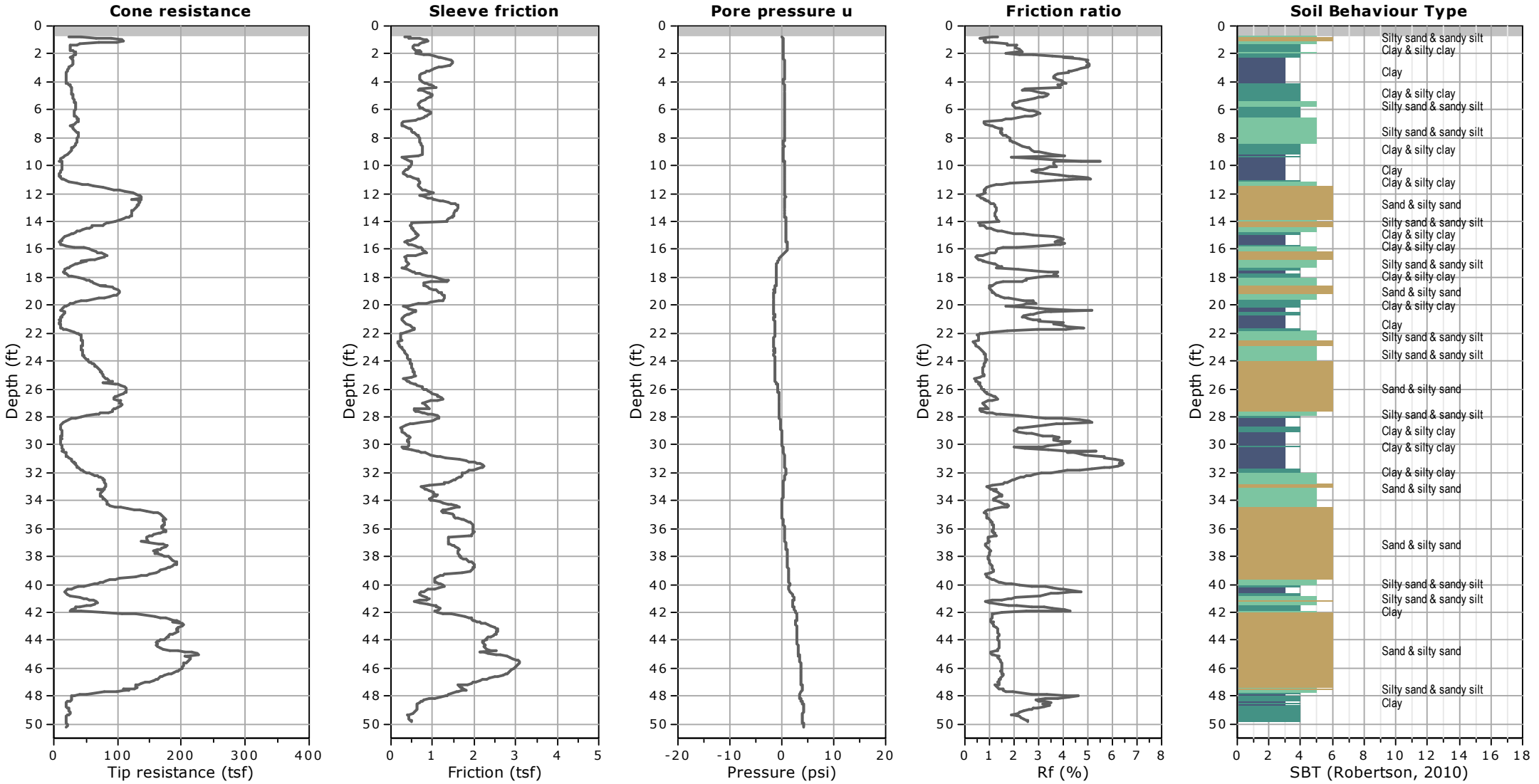
CPT-3
Total depth: 50.24 ft, Date: 11/2/2021



Kehoe Testing and Engineering
714-901-7270
steve@kehoetesting.com
www.kehoetesting.com

Project: **Albus & Associates**
Location: **180 Flallon Ave, Artesia, CA**

CPT-4
Total depth: 50.22 ft, Date: 11/2/2021



Kehoe Testing & Engineering
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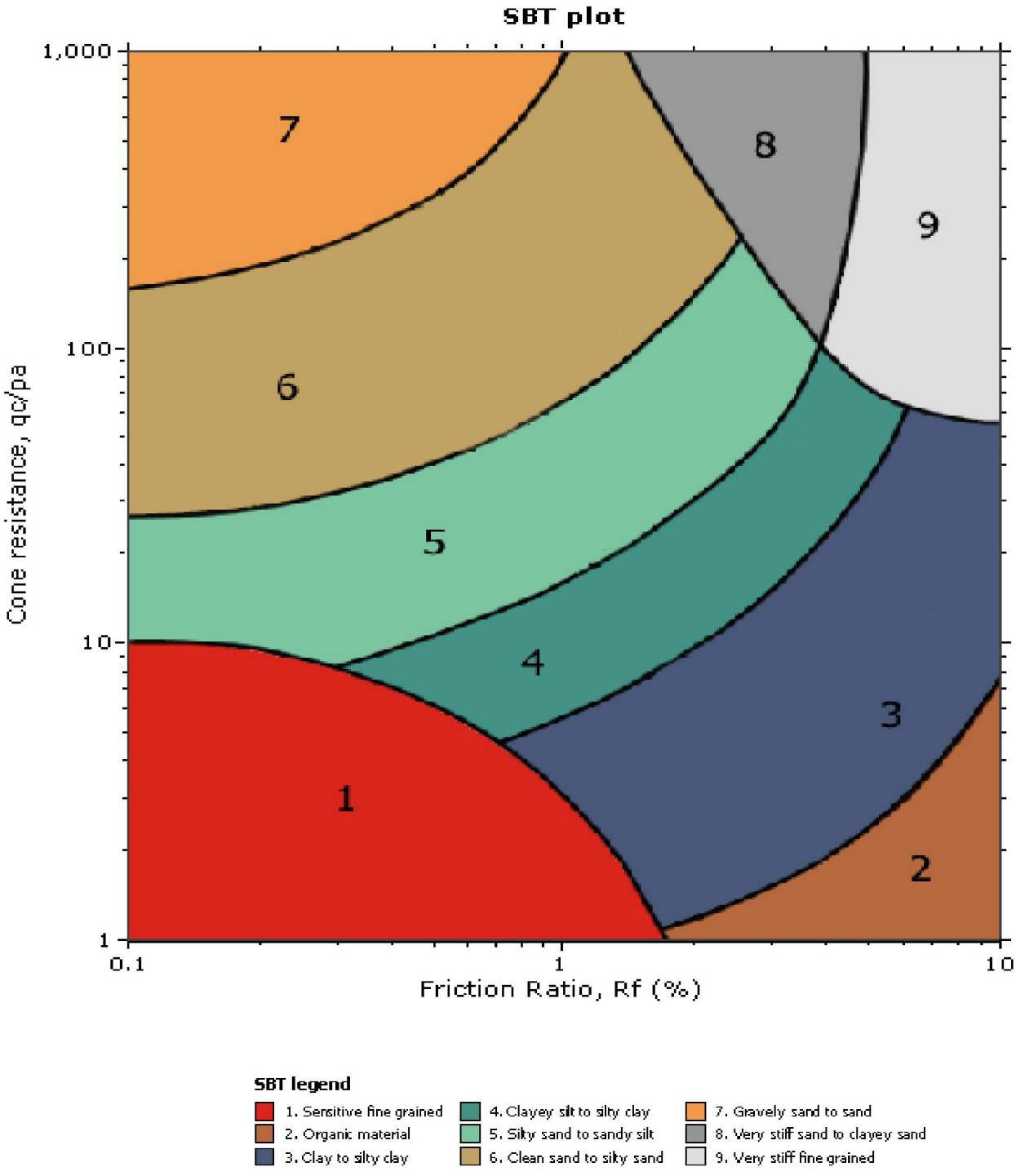


APPENDIX B

LABORATORY TEST RESULTS

LABORATORY TESTING PROGRAM

Soil Classification

Soils encountered within the exploratory borings were initially classified in the field in general accordance with the visual-manual procedures of the Unified Soil Classification System (ASTM D 2488). The samples were re-examined in the laboratory and classifications reviewed and then revised where appropriate. The assigned group symbols are presented on the Exploration Logs provided in Appendix A.

In-Situ Moisture Content and Dry Density

Moisture content and dry density of in-place soil materials were determined in representative strata. Test data are summarized on the Exploration Logs, Appendix A.

Atterberg Limits

Atterberg Limits (Liquid Limit, Plastic Limit, and Plasticity Index) were performed in accordance with Test Method ASTM D 4318. Pertinent test values are presented within Table B-1.

Maximum Dry Density and Optimum Moisture Content

Maximum dry density and optimum moisture content were performed on a representative sample of the site materials obtained from our field explorations. The test was performed in accordance with ASTM D 1557. Pertinent test values are given in Table B-1.

Expansion Potential

Expansion index testing was performed on a selected sample. The test was performed in accordance with ASTM D4829. The test result and expansion potential are presented in Table B-1.

Direct Shear

The Coulomb shear strength parameters, angle of internal friction and cohesion, were determined for a bulk sample and intact samples obtained from one our borings. The tests were performed in general conformance with Test Method ASTM D 3080. The bulk sample was remolded to 90 percent of maximum dry density and at the optimum moisture content. Three specimens were prepared for each test, artificially saturated, and then sheared under varied loads at an appropriate constant rate of strain. Results are graphically presented on Plate B-5.

Consolidation

Consolidation tests were performed for selected soil samples in general conformance with ASTM D 2435. Axial loads were applied in several increments to a laterally restrained 1-inch-high sample. Loads were applied in geometric progression by doubling the previous load, and the resulting deformations were recorded at selected time intervals. The specific test samples were inundated at selected loads to evaluate the effects of a sudden increase in moisture content (hydro-consolidation potential). Results of the tests are graphically presented on Plates B-1 to B-4.

Soluble Sulfate Content

A chemical analysis was performed on a selected sample to determine soluble sulfate content. This test was performed in our soil laboratory in accordance with California Test Method No 417. The test result is included on Table B-1.

Corrosion

Select samples were tested for minimum resistivity, chloride, pH in accordance with California Test Method 643. Results of these tests are provided in Table B-1.

R-Value

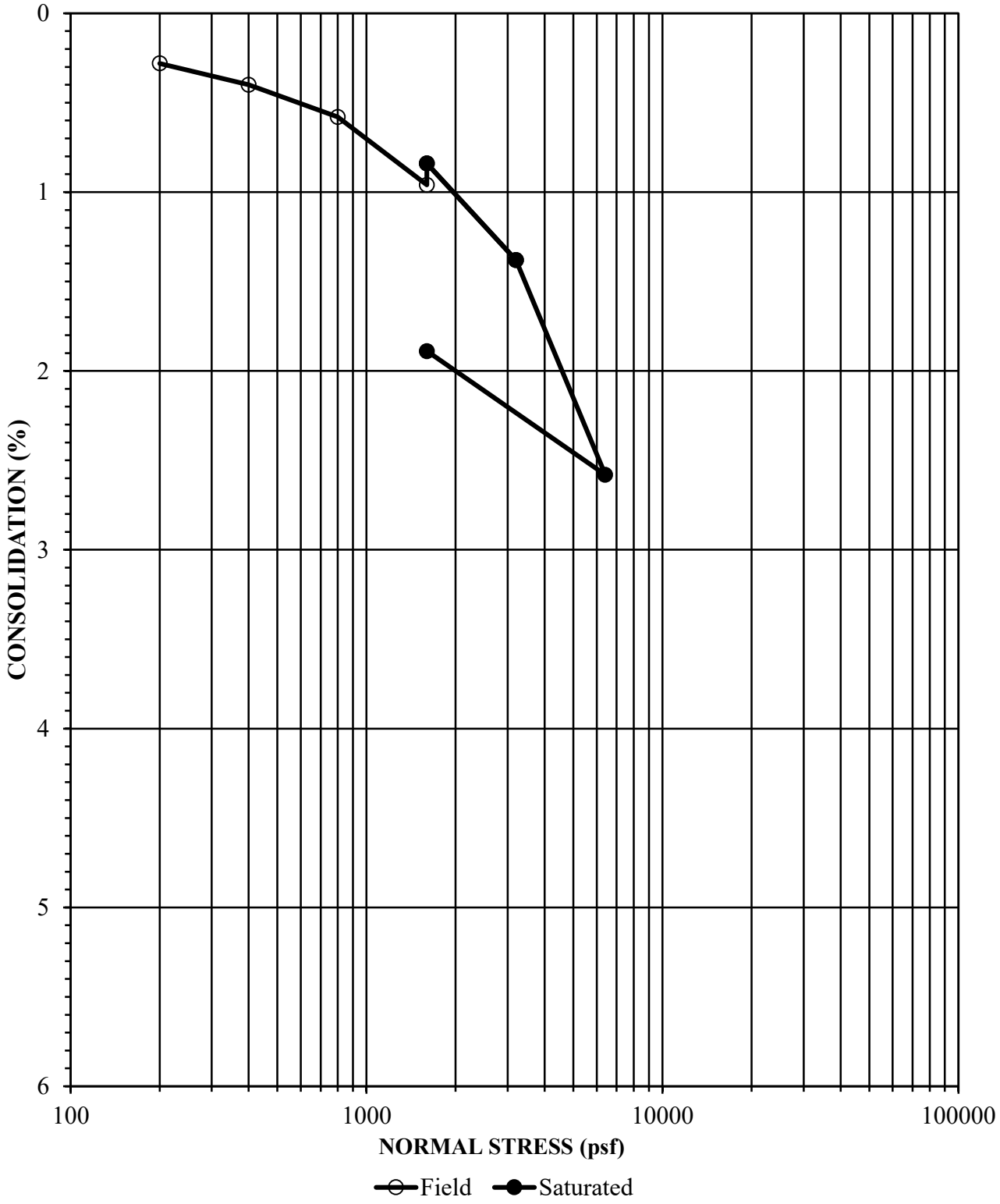
A sample of soil was tested for R-value in accordance with California Test Method (CTM) 301. The results are summarized in Plate B-6.

TABLE B-1
SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Sample Depth (ft.)	Soil Description	Test Results	
B-1	0-5	Sandy Silt trace Clay	Maximum Dry Density (pcf): Optimum Moisture (%): Expansion Index: Expansion Potential: Soluble Sulfate Content (%): Sulfate Exposure: R-Value (By Exudation): Resistivity (ohm-cm): Chloride (ppm): pH:	113.5 15.5 23 Low 0.002 Negligible 43 2500 160 9.45
B-1	2	Sandy Silt	Liquid Limit (%): Plasticity Index (%):	32.7 9
B-1	20	Sandy Silt	Passing No. 200 Sieve (%):	53.4
B-2	20	Silty Sand	Passing No. 200 Sieve (%):	46.6
B-2	30	Silty Sand	Passing No. 200 Sieve (%):	38.5
B-2	40	Sand trace Silt	Passing No. 200 Sieve (%):	7.2
B-3	20	Silty Sand with Clay	Passing No. 200 Sieve (%):	53.2

Note: Additional laboratory test results are provided on the boring logs provided in Appendix A.

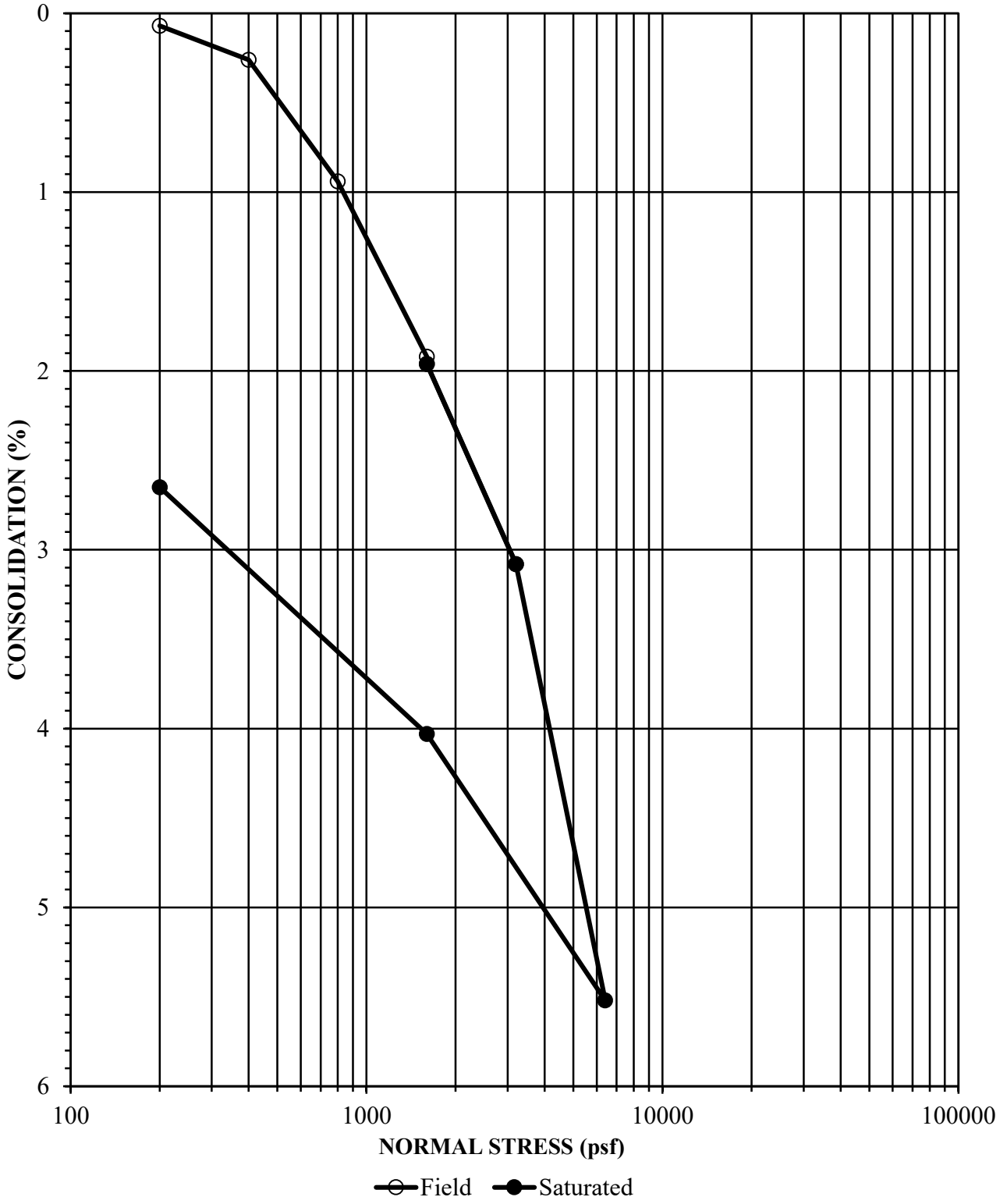
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-1	2	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
99	23.4	24.8

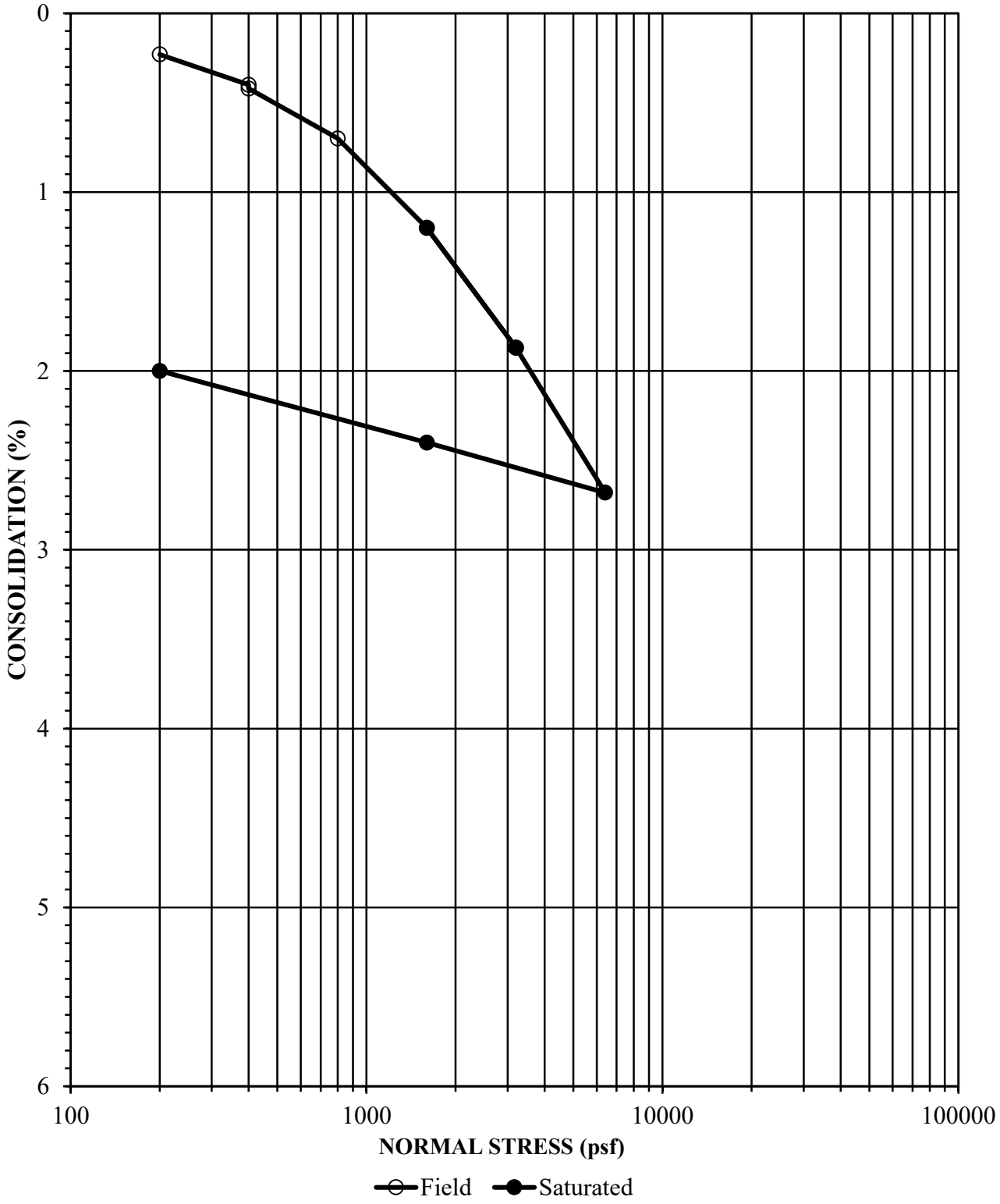
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-2	2	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
100.1	22.3	25.5

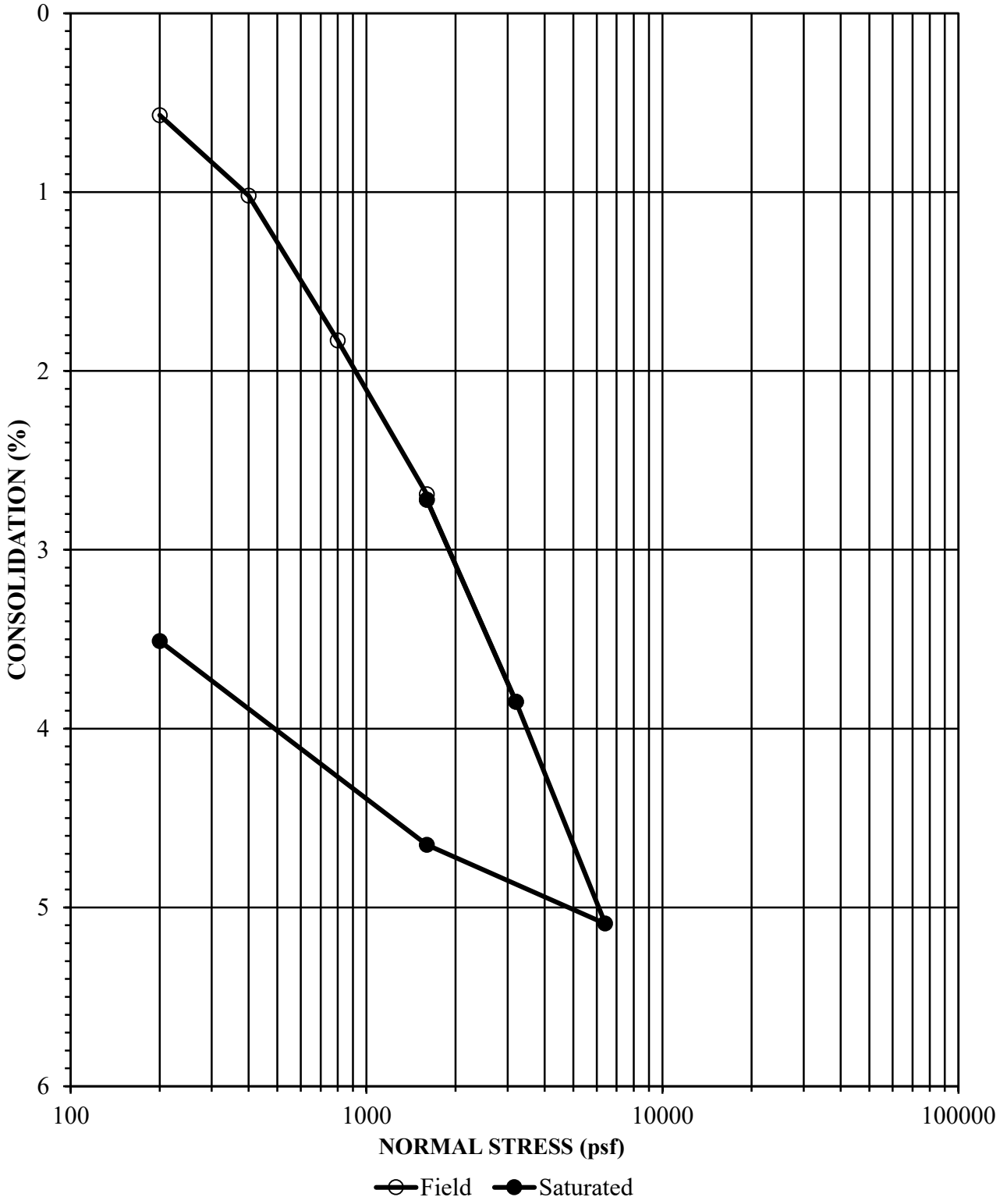
CONSOLIDATION



Job Number	Location	Depth	Description
3027.00	B-2	10	Sandy Silt (ML)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
94.7	17.1	28.3

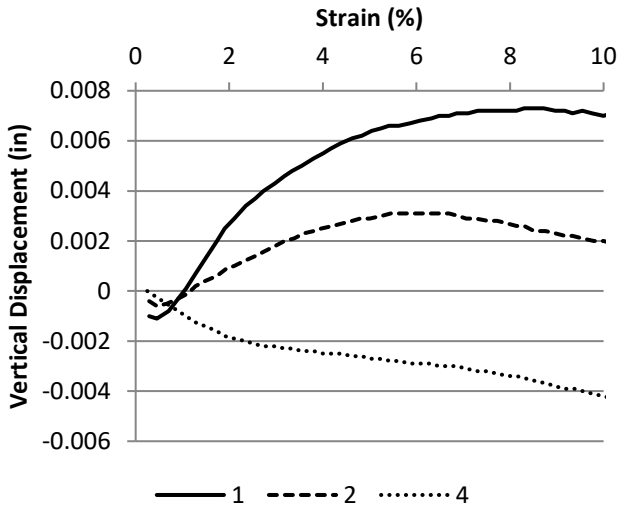
CONSOLIDATION

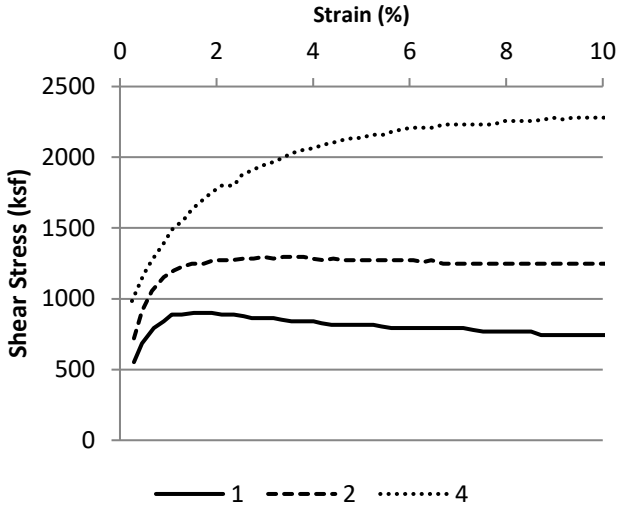


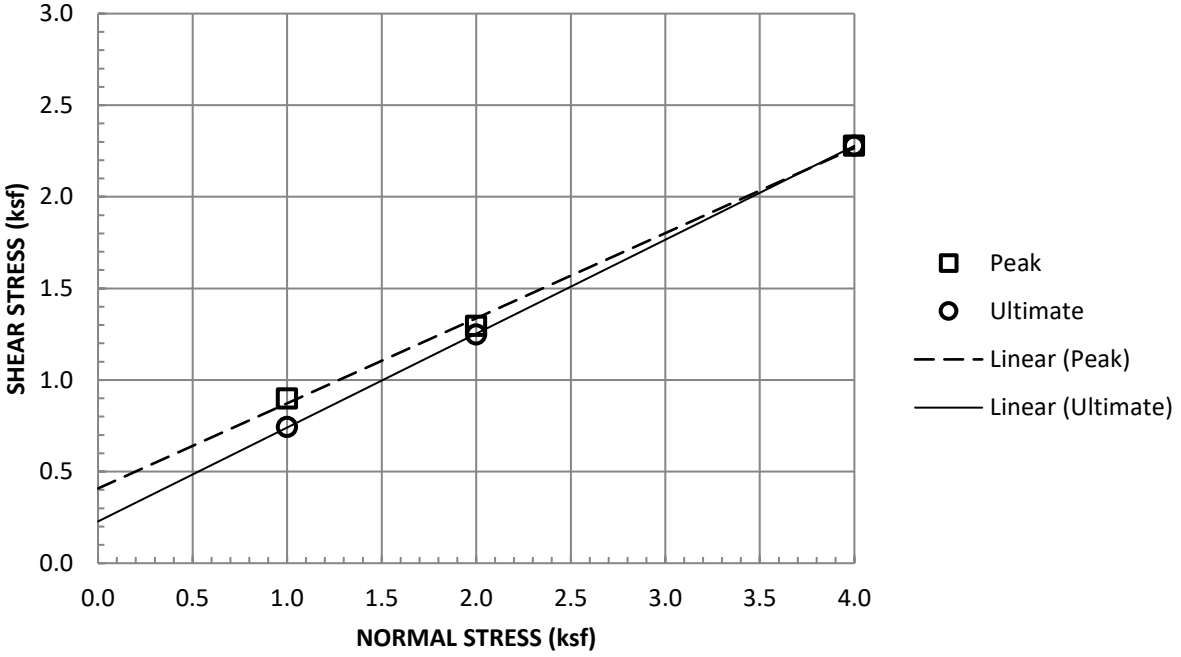
Job Number	Location	Depth	Description
3027.00	B-3	6	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
98.9	9	18.3

DIRECT SHEAR







Sample Type:	Remolded, Saturated		
Normal Stress (ksf)	1	2	4
Peak Shear Stress (ksf)	0.9	1.296	2.28
Peak Displacement (in)	0.007	0.003	0.004
Ultimate Shear Stress (ksf)	0.744	1.248	2.28
Ultimate Displacement (in)	0.25	0.25	0.25
Initial Dry Density (pcf)	95.9	95.5	95.5
Initial Moisture Content (%)	23.2	23.2	23.2
Final Moisture Content (%)	32	32	32.7
Strain Rate (in/min)	0.05		

Job Number	Location	Depth	Description
3027.00	B-1	0-5	Sandy Silt

'R' VALUE CA 301

Client: Albus | Date: 11/9/21 | By: LD

Client's Job No.: 3027.00 | Sample : B-1 @ 0 - 5'

GLA Reference: 2005-011 | Soil Type: Brown, Sandy Clay

TEST SPECIMEN		A	B	C	D
Compactor Air Pressure	psi	**200**	**300**	**250**	
Initial Moisture Content	%	**17.3**	**17.3**	**17.3**	
Water Added	ml	**0**	**-15**	**-8**	
Moisture at Compaction	%	17.3	15.9	16.5	
Sample & Mold Weight	gms	**3174**	**3192**	**3163**	
Mold Weight	gms	**2103**	**2098**	**2099**	
Net Sample Weight	gms	1071	1094	1064	
Sample Height	in.	**2.5**	**2.511**	**2.466**	
Dry Density	pcf	110.6	113.9	112.2	
Pressure	lbs	**2835**	**7550**	**4620**	
Exudation Pressure	psi	226	601	368	
Expansion Dial	x 0.0001	**27**	**115**	**70**	
Expansion Pressure	psf	117	498	303	
Ph at 1000lbs	psi	**38**	**22**	**30**	
Ph at 2000lbs	psi	**82**	**48**	**60**	
Displacement	turns	**4.69**	**4.05**	**4.29**	
R' Value		34	59	49	
Corrected 'R' Value		**34**	**59**	**49**	

FINAL 'R' VALUE	
By Exudation Pressure (@ 300 psi):	**43**
By Epansion Pressure :	**33**
TI = 5	

Geo-Logic ASSOCIATES

APPENDIX C

LIQUEFACTION ANALYSIS

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

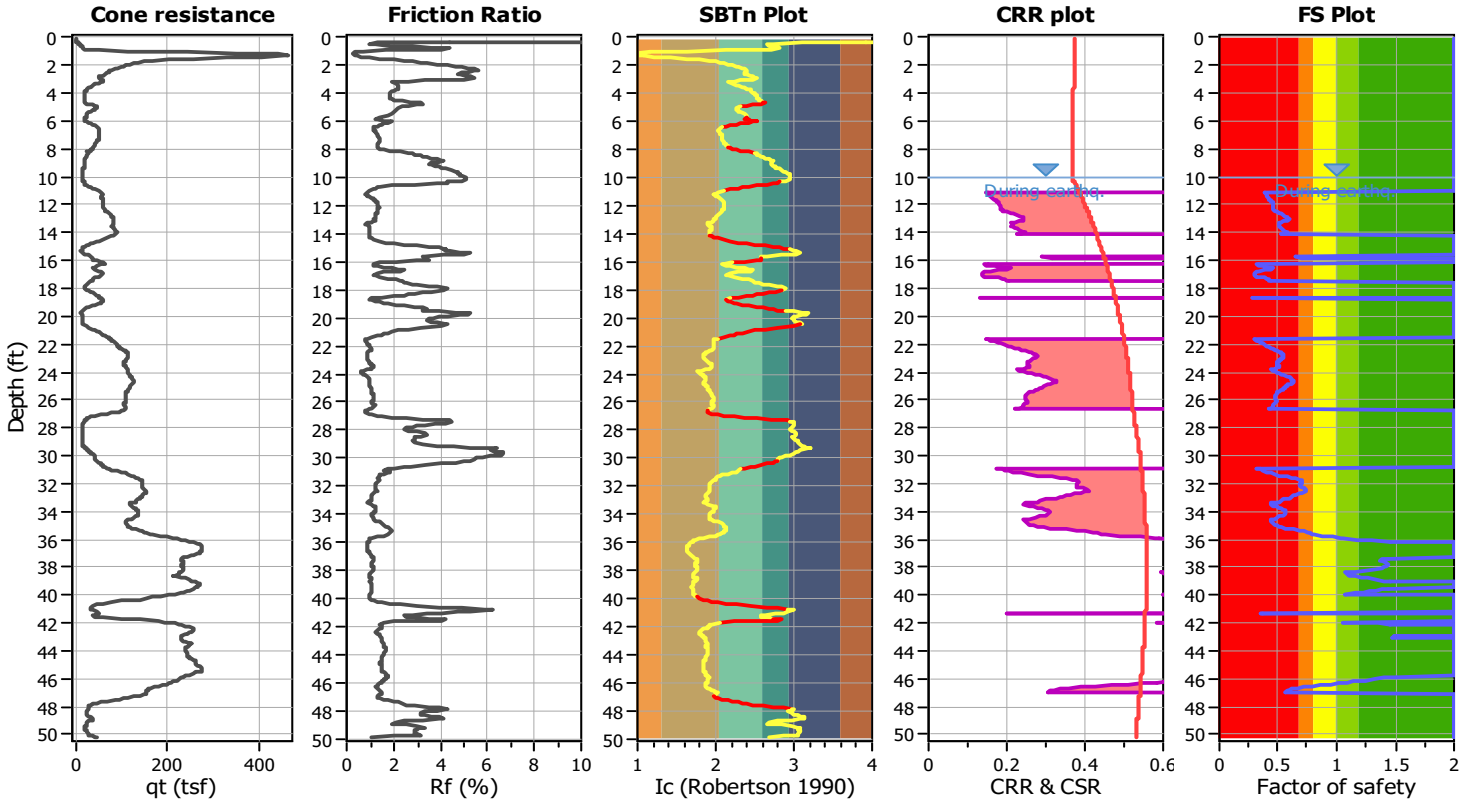
LIQUEFACTION ANALYSIS REPORT

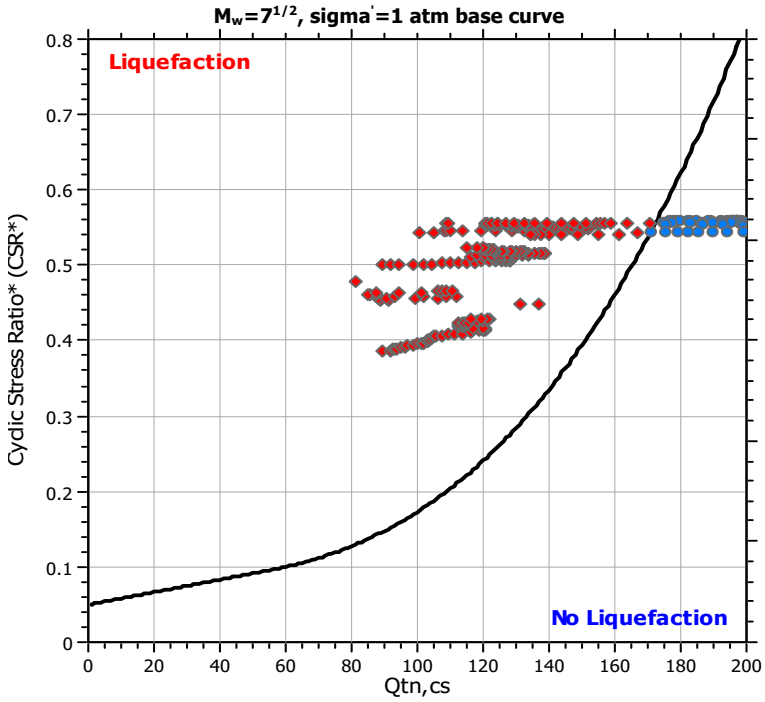
Project title : 3027.00 **Location : Artesia, CA**

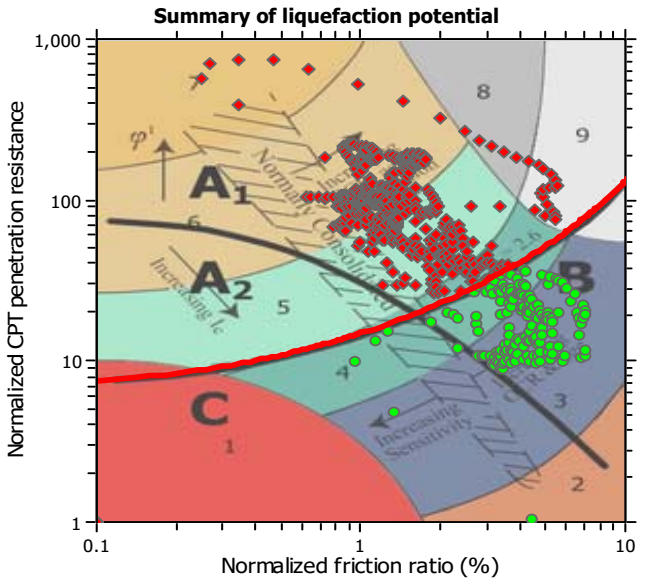
CPT file : CPT-1

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

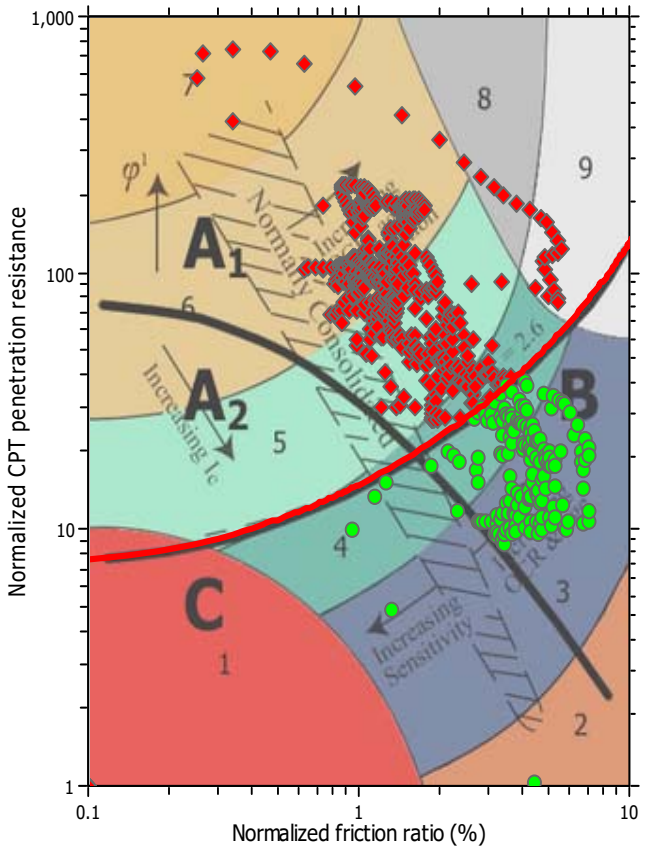


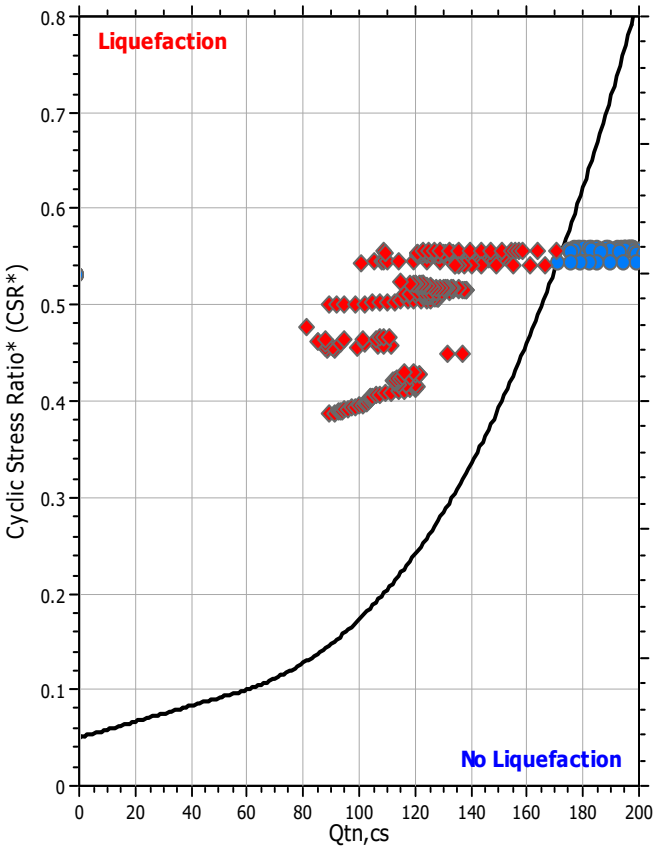


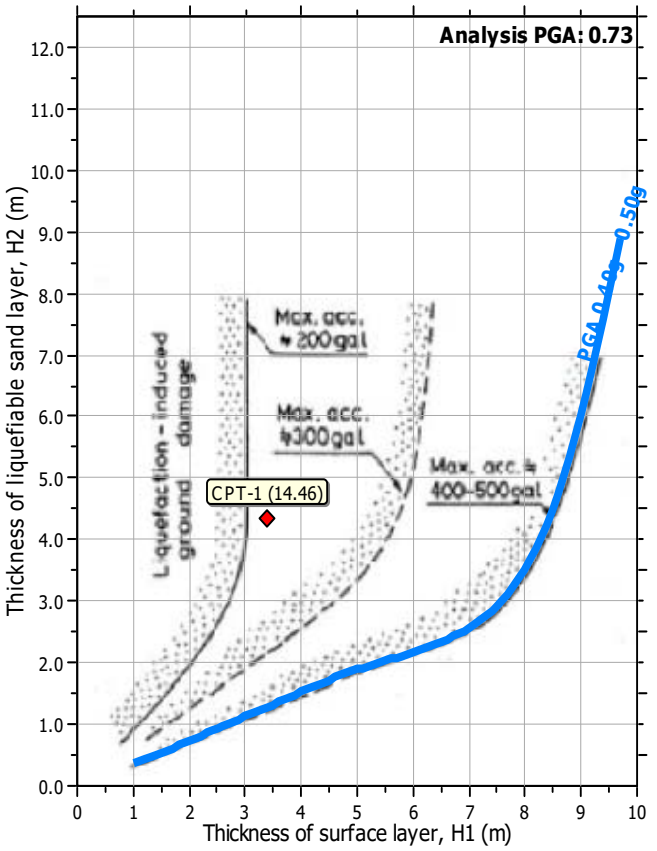


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots



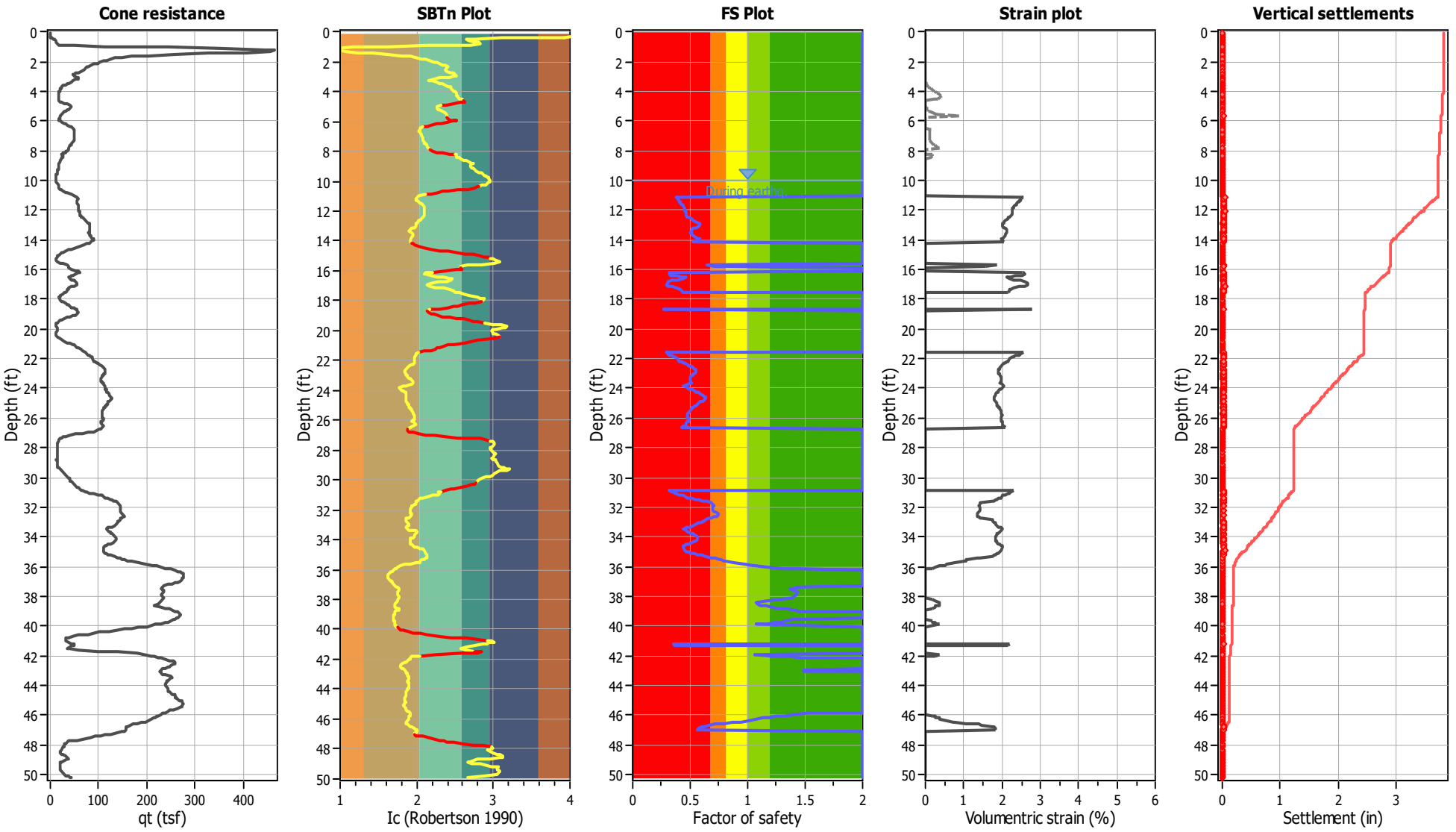




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.83	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.73	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

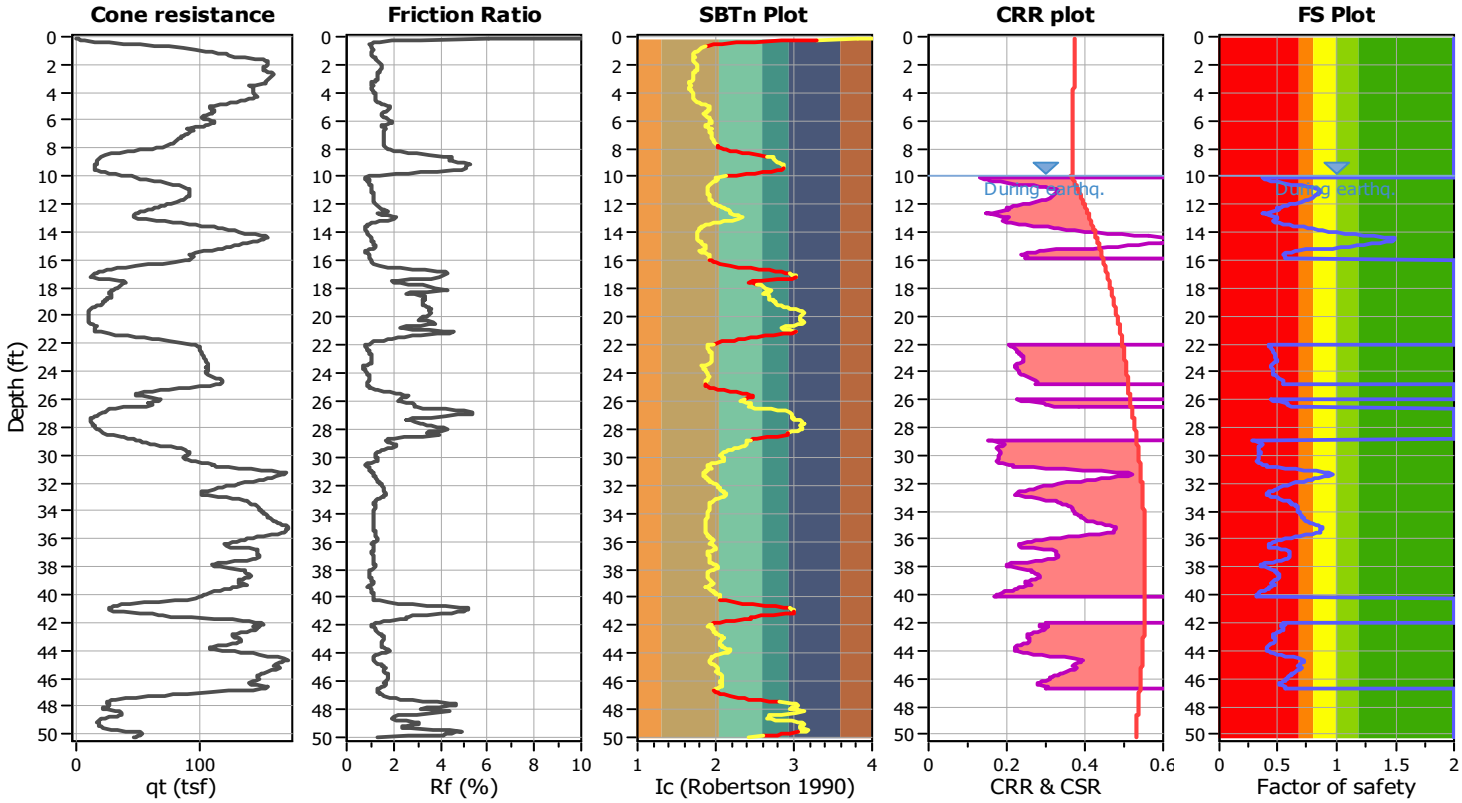
LIQUEFACTION ANALYSIS REPORT

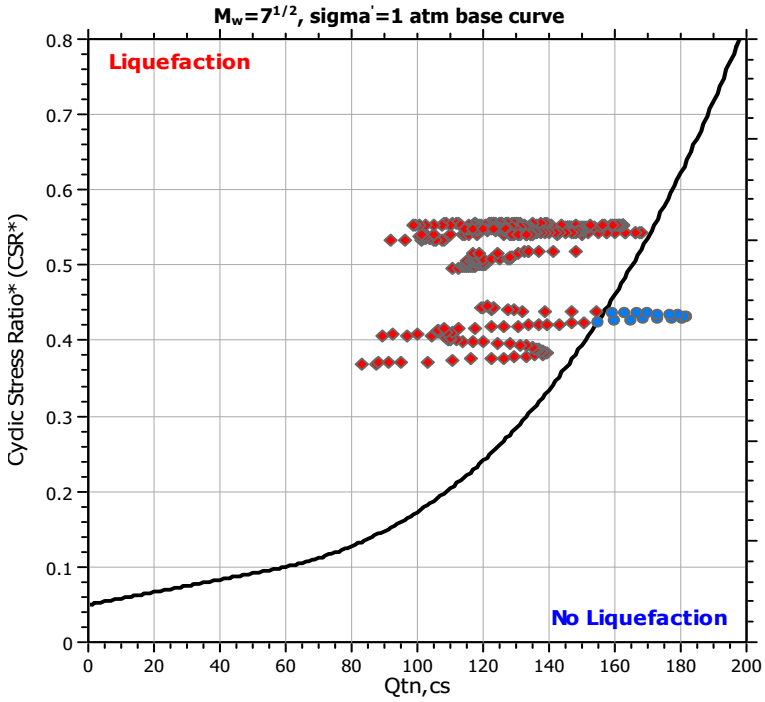
Project title : 3027.00 **Location : Artesia, CA**

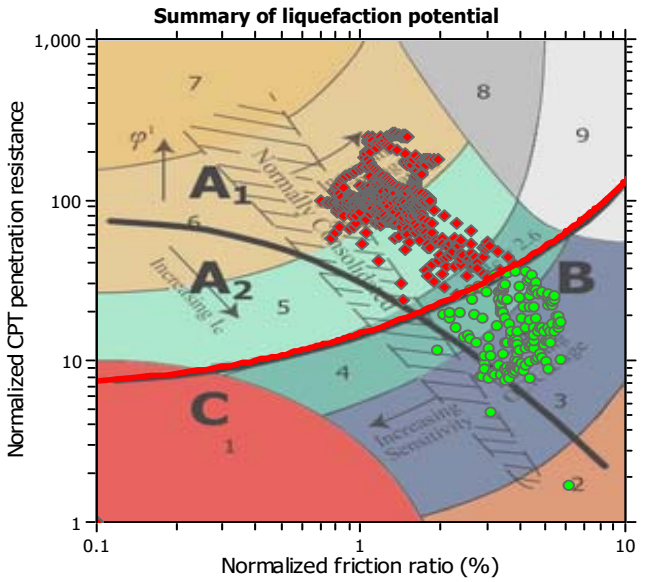
CPT file : CPT-2

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

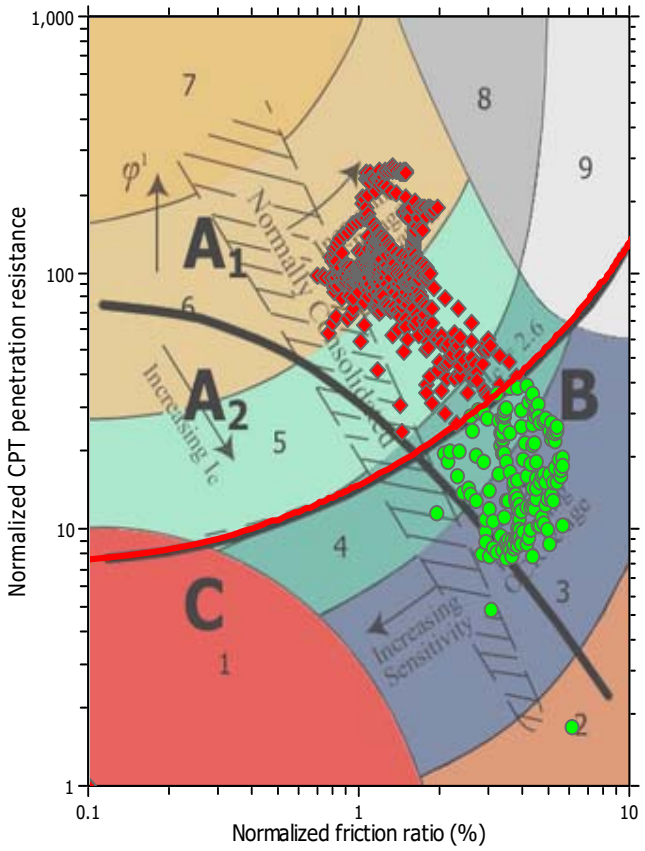


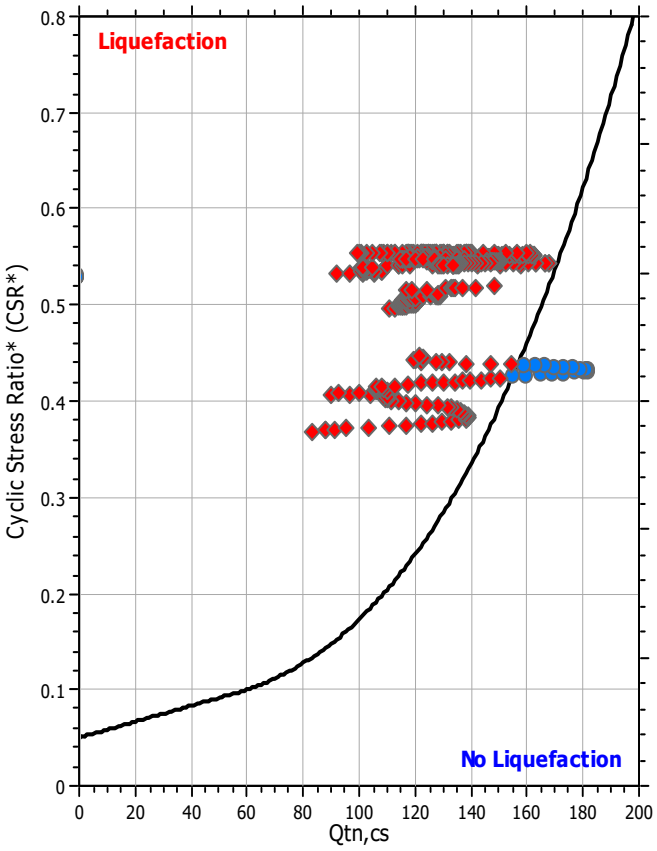


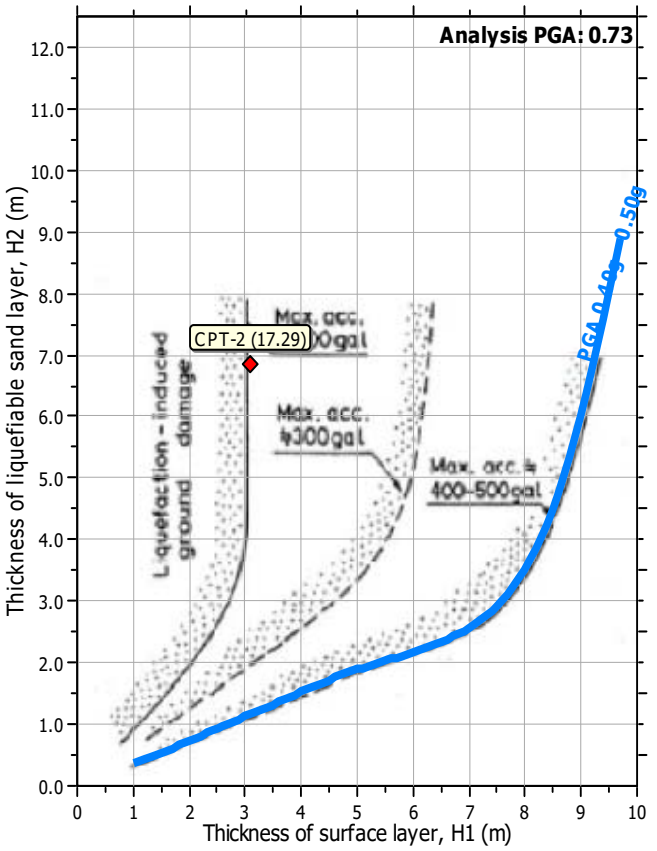


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots



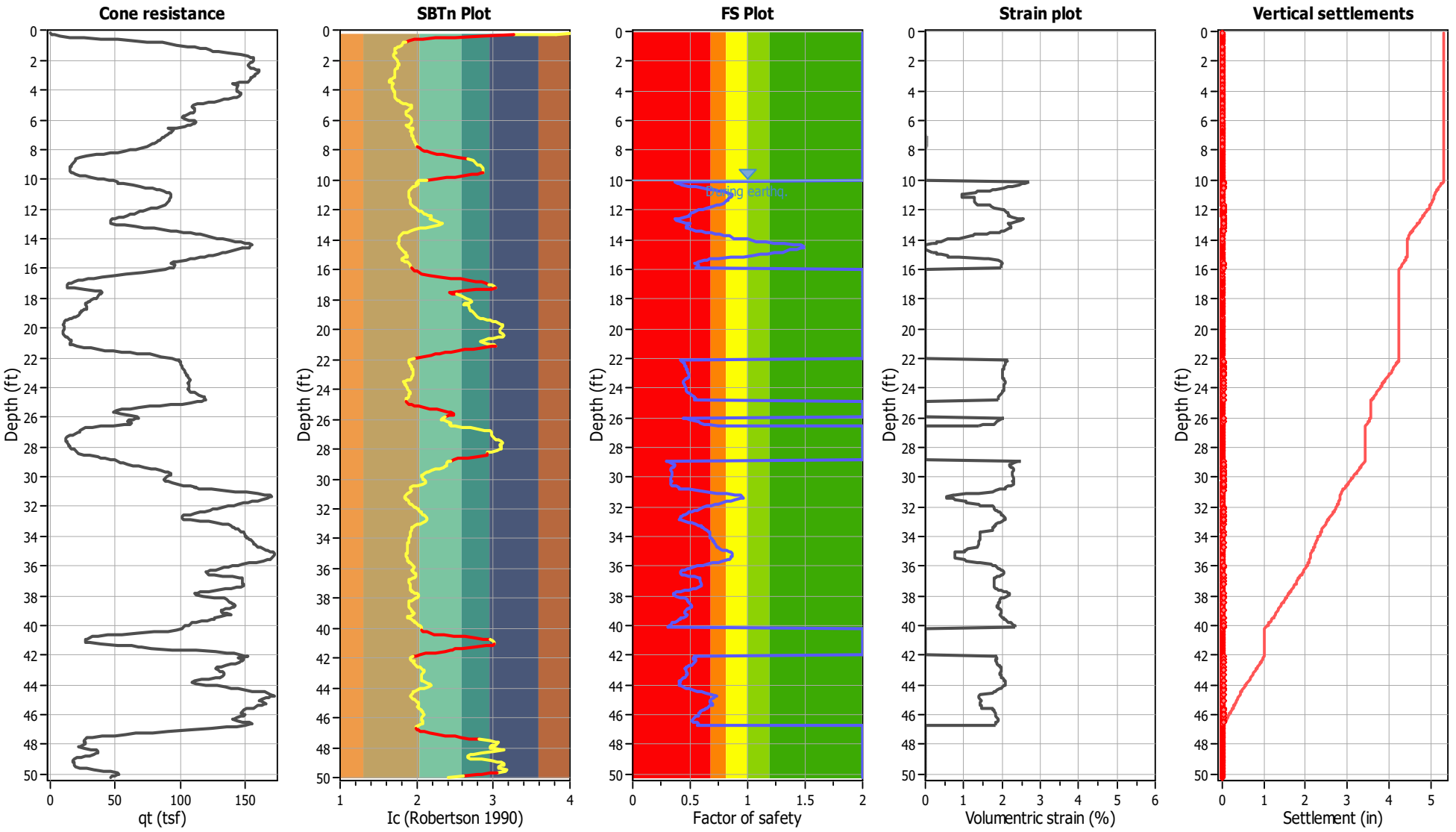




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.83	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.73	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

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1011 N. Armando Street, Anaheim, CA
albus-keefe.net

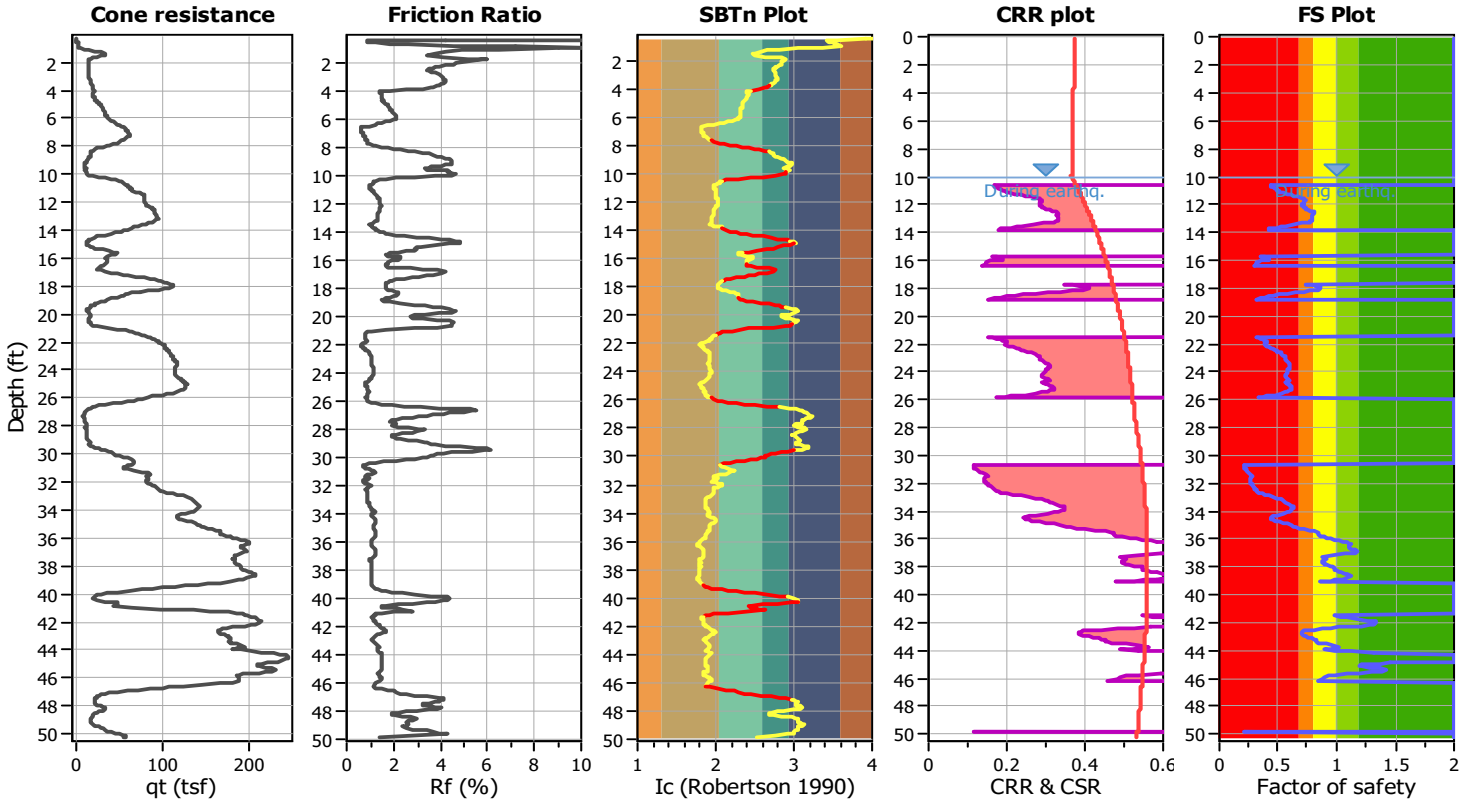
LIQUEFACTION ANALYSIS REPORT

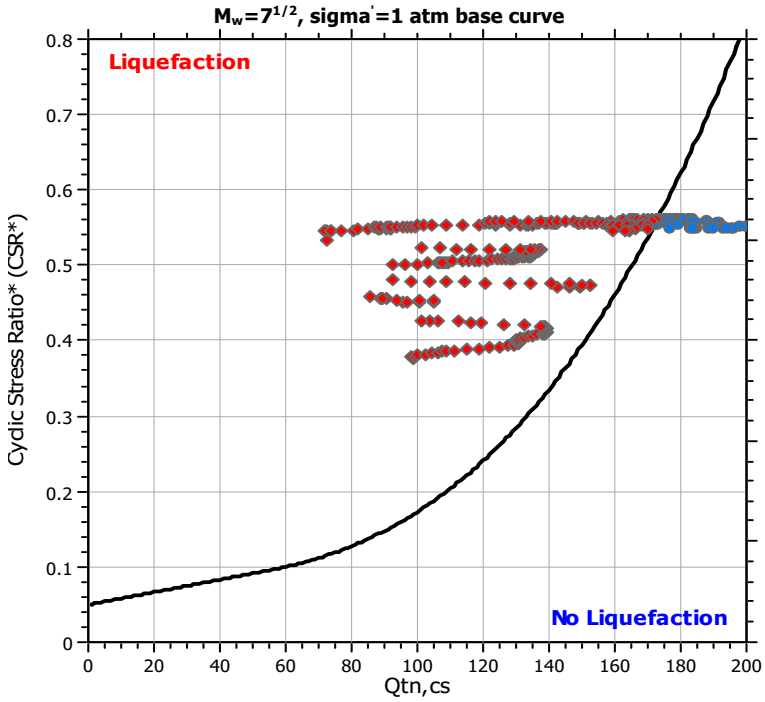
Project title : 3027.00 **Location : Artesia, CA**

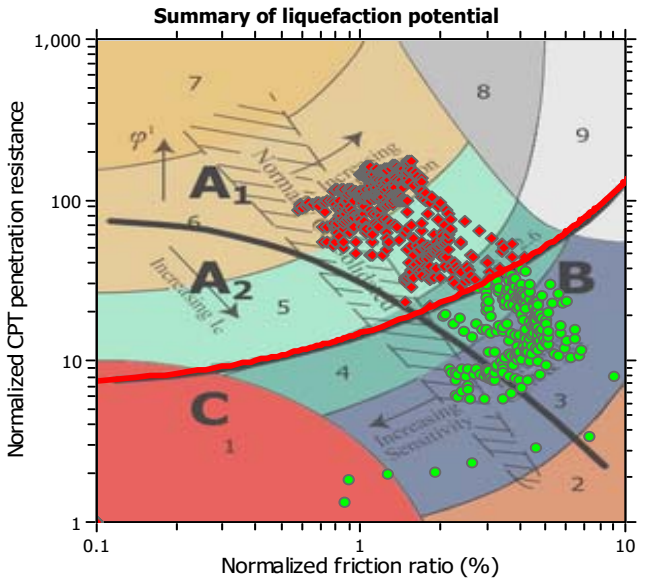
CPT file : CPT-3

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

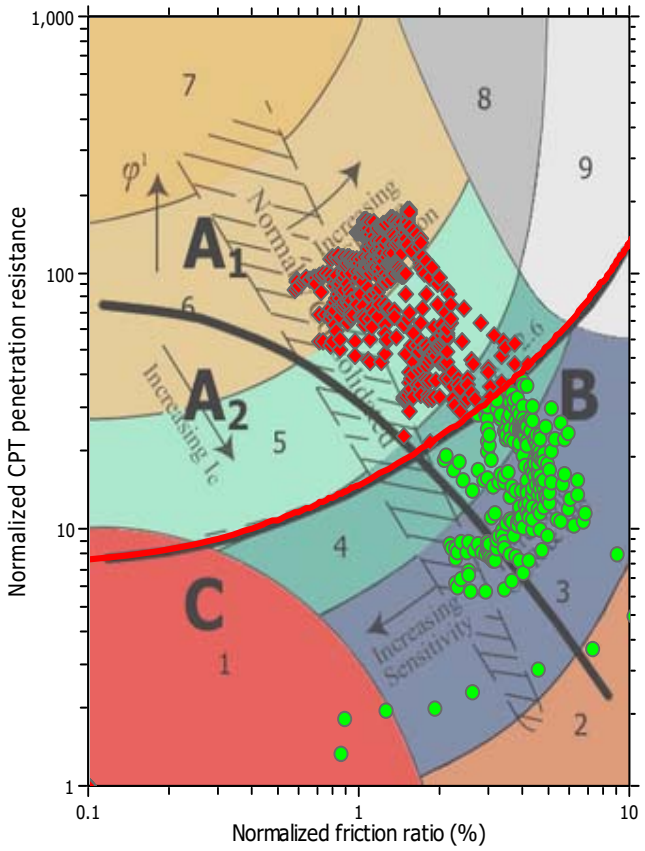


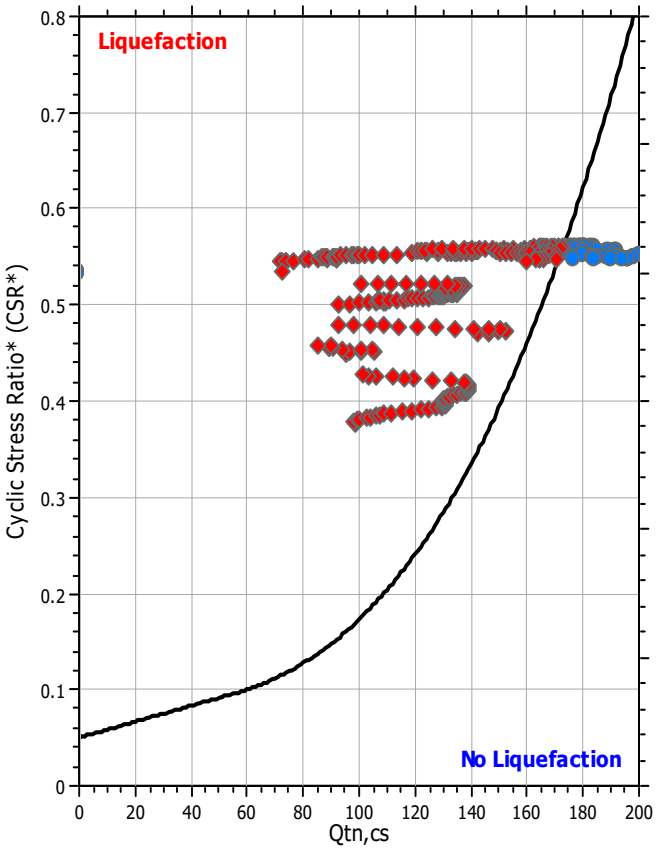


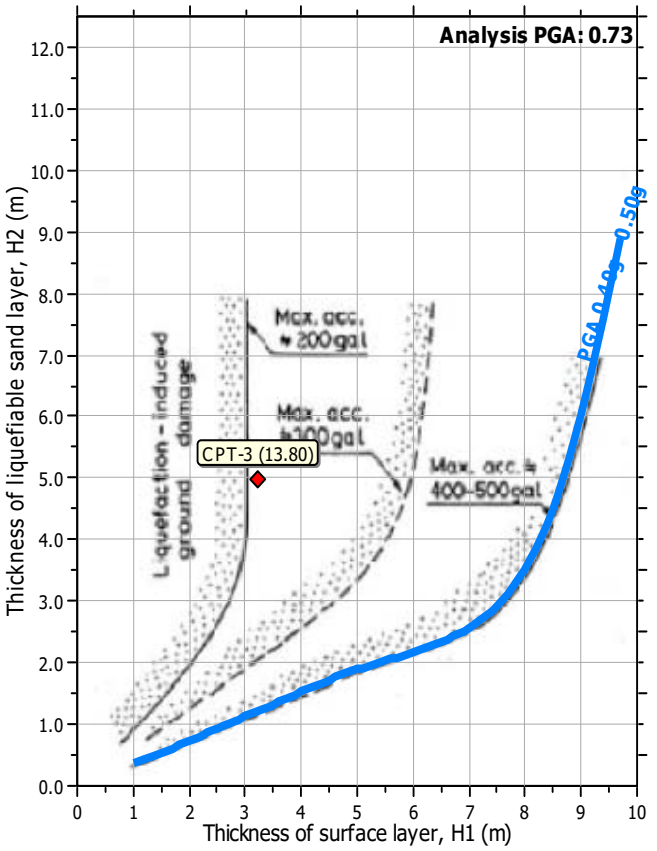


Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

Liquefaction analysis summary plots



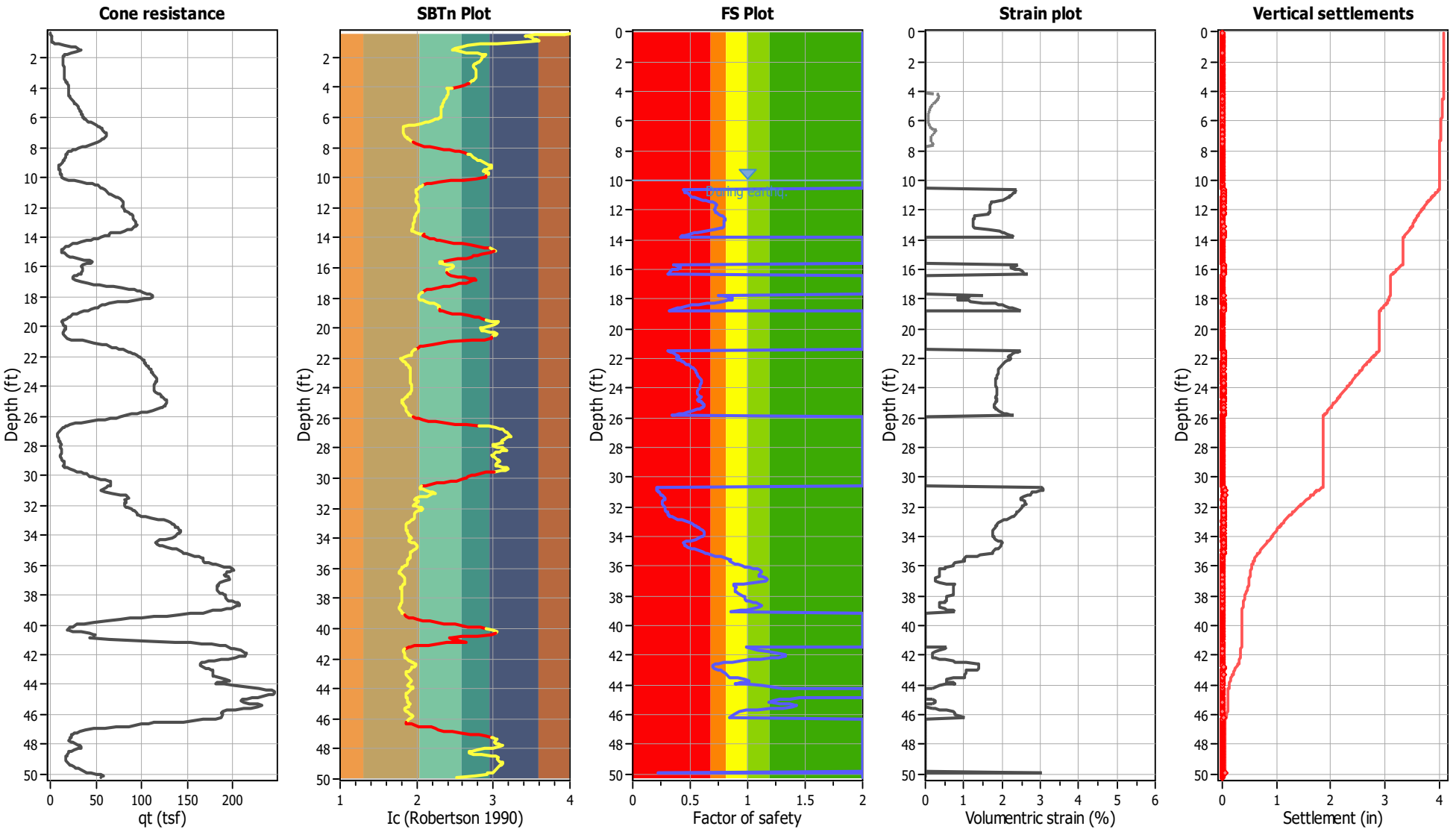




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.83	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.73	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	14.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

Albus & Associates, Inc.
Geotechnical Consultants
1011 N. Armando Street, Anaheim, CA
albus-keefe.net

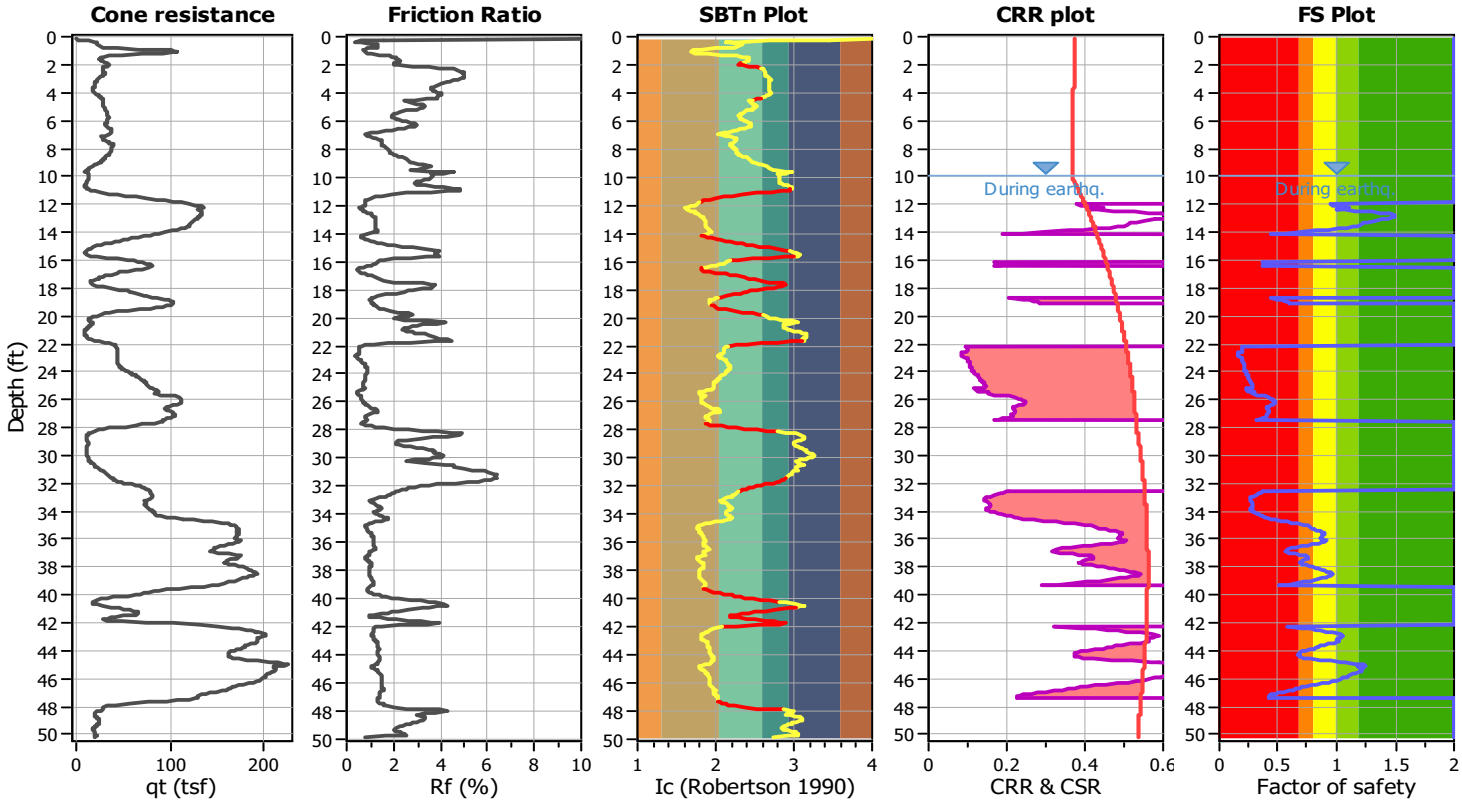
LIQUEFACTION ANALYSIS REPORT

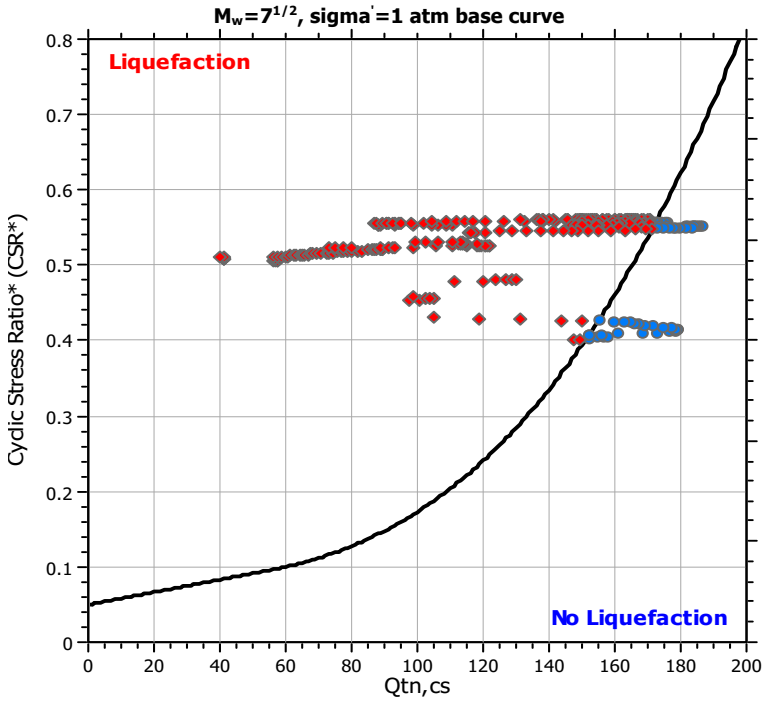
Project title : 3027.00 **Location : Artesia, CA**

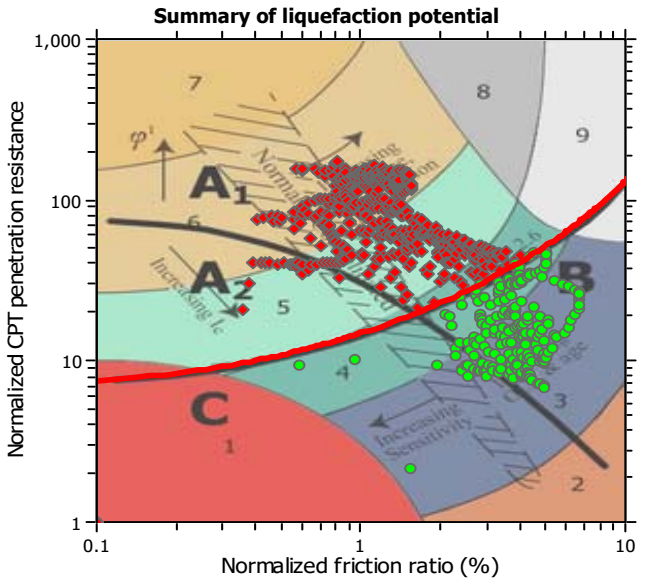
CPT file : CPT-4

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	14.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.83	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.73	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		







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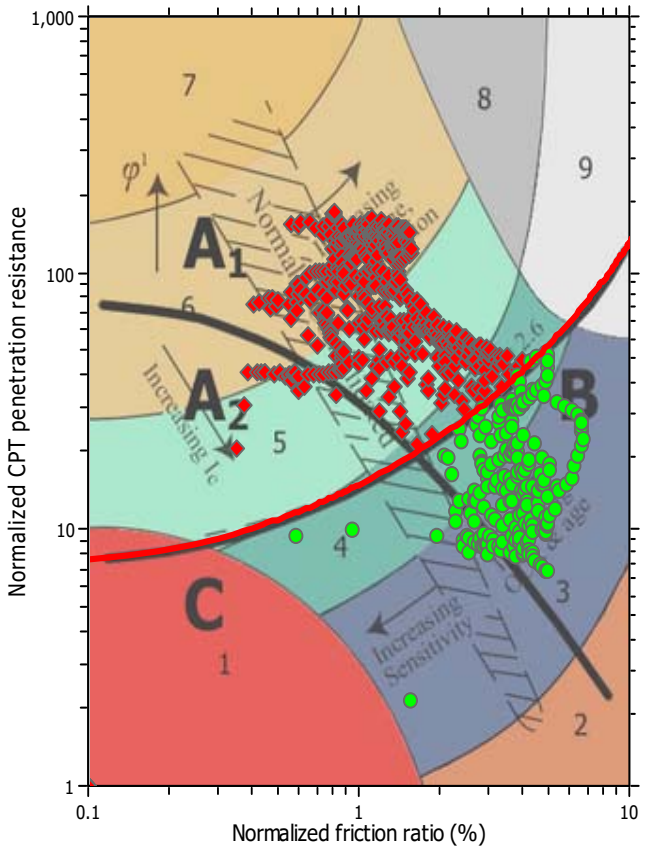

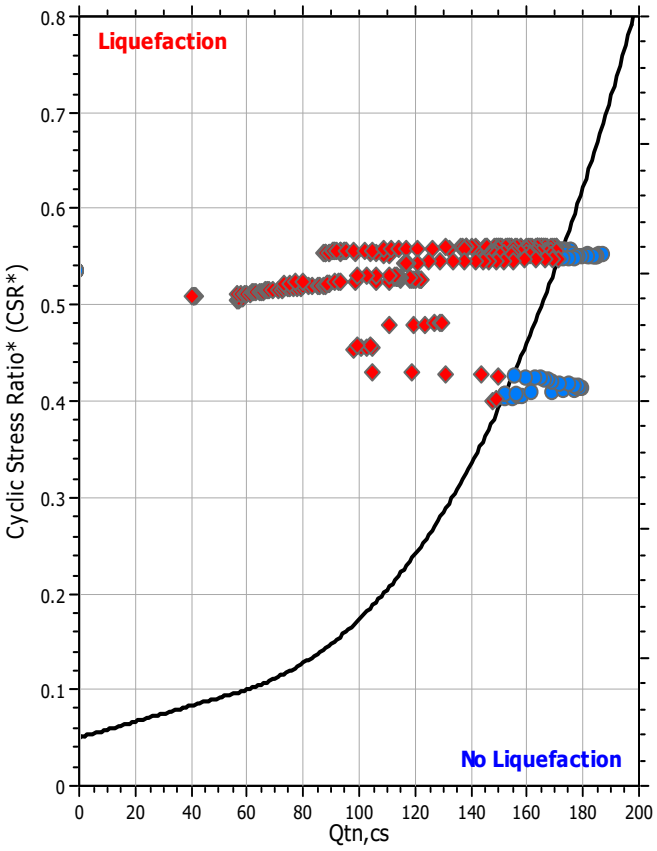

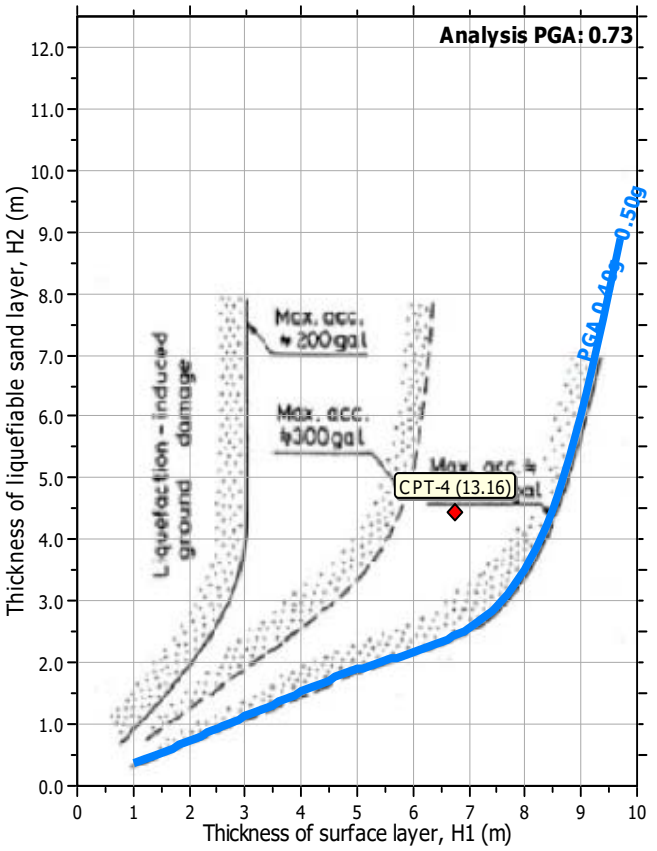

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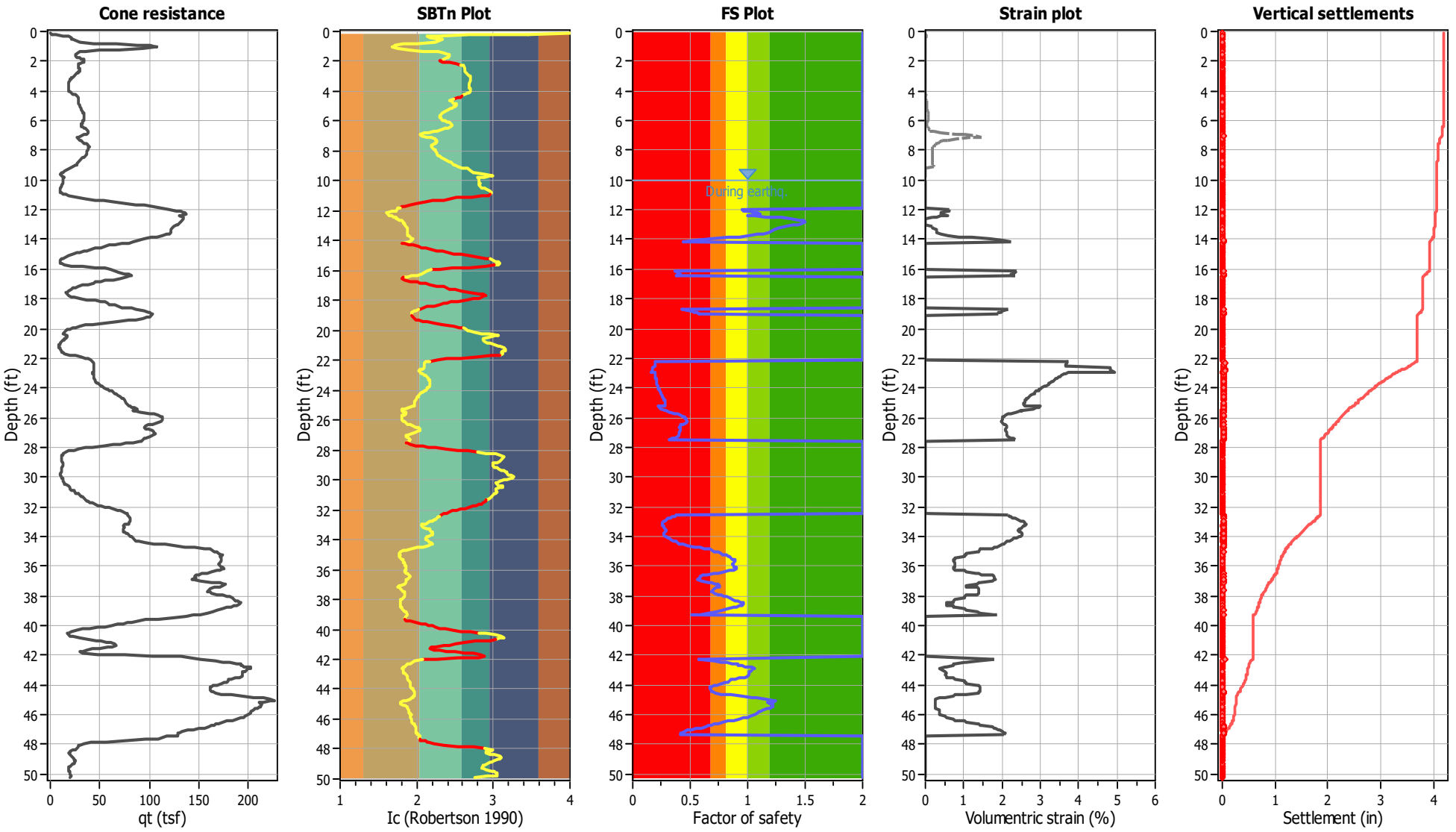

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Volumentric strain:	Post-liquefaction volumentric strain

Appendix 6.0

CalEEMod Data for Alternatives

Appendix A

CalEEMod Data for Alternatives

Prepared by

Kimley»Horn

Expect More. Experience Better.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

ABCSPA - Industrial - Heavy Industrial

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	215.62	1000sqft	4.95	215,622.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Off-road Equipment Mitigation - SCAQMD

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1083	0.9570	1.0550	2.2100e-003	0.1259	0.0430	0.1689	0.0520	0.0402	0.0922	0.0000	195.5595	195.5595	0.0379	4.2700e-003	197.7791
2024	1.1479	1.2535	1.6535	3.4700e-003	0.0981	0.0527	0.1508	0.0265	0.0495	0.0760	0.0000	307.9770	307.9770	0.0505	8.5600e-003	311.7889
Maximum	**1.1479**	**1.2535**	**1.6535**	**3.4700e-003**	**0.1259**	**0.0527**	**0.1689**	**0.0520**	**0.0495**	**0.0922**	**0.0000**	**307.9770**	**307.9770**	**0.0505**	**8.5600e-003**	**311.7889**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1083	0.9570	1.0550	2.2100e-003	0.0791	0.0430	0.1221	0.0291	0.0402	0.0693	0.0000	195.5593	195.5593	0.0379	4.2700e-003	197.7790
2024	1.1479	1.2535	1.6535	3.4700e-003	0.0932	0.0527	0.1459	0.0252	0.0495	0.0748	0.0000	307.9768	307.9768	0.0505	8.5600e-003	311.7887
Maximum	**1.1479**	**1.2535**	**1.6535**	**3.4700e-003**	**0.0932**	**0.0527**	**0.1459**	**0.0291**	**0.0495**	**0.0748**	**0.0000**	**307.9768**	**307.9768**	**0.0505**	**8.5600e-003**	**311.7887**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	23.09	0.00	16.18	30.73	0.00	14.33	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-2-2023	11-1-2023	0.6851	0.6851
2	11-2-2023	2-1-2024	0.5771	0.5771
3	2-2-2024	5-1-2024	0.5406	0.5406
4	5-2-2024	8-1-2024	0.5505	0.5505
5	8-2-2024	9-30-2024	1.1369	1.1369
		Highest	1.1369	1.1369

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Energy	0.0209	0.1898	0.1595	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	621.9372	621.9372	0.0390	8.0400e-003	625.3076
Mobile	0.5776	0.6903	6.3531	0.0145	1.5970	0.0105	1.6075	0.4261	9.7100e-003	0.4358	0.0000	1,344.8906	1,344.8906	0.0876	0.0559	1,363.7337
Waste						0.0000	0.0000		0.0000	0.0000	54.2737	0.0000	54.2737	3.2075	0.0000	134.4608
Water						0.0000	0.0000		0.0000	0.0000	15.8190	115.1424	130.9614	1.6345	0.0395	183.6068
Total	**1.4778**	**0.8802**	**6.5153**	**0.0157**	**1.5970**	**0.0249**	**1.6219**	**0.4261**	**0.0242**	**0.4502**	**70.0926**	**2,081.9756**	**2,152.0682**	**4.9686**	**0.1035**	**2,307.1146**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Energy	0.0209	0.1898	0.1595	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	621.9372	621.9372	0.0390	8.0400e-003	625.3076
Mobile	0.5776	0.6903	6.3531	0.0145	1.5970	0.0105	1.6075	0.4261	9.7100e-003	0.4358	0.0000	1,344.8906	1,344.8906	0.0876	0.0559	1,363.7337
Waste						0.0000	0.0000		0.0000	0.0000	54.2737	0.0000	54.2737	3.2075	0.0000	134.4608
Water						0.0000	0.0000		0.0000	0.0000	15.8190	115.1424	130.9614	1.6345	0.0395	183.6068
Total	**1.4778**	**0.8802**	**6.5153**	**0.0157**	**1.5970**	**0.0249**	**1.6219**	**0.4261**	**0.0242**	**0.4502**	**70.0926**	**2,081.9756**	**2,152.0682**	**4.9686**	**0.1035**	**2,307.1146**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/2/2023	8/29/2023	5	20	
2	Site Preparation	Site Preparation	8/30/2023	9/5/2023	5	5	
3	Grading	Grading	9/6/2023	9/15/2023	5	8	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	9/16/2023	8/2/2024	5	230	
5	Paving	Paving	8/3/2024	8/28/2024	5	18	
6	Architectural Coating	Architectural Coating	8/29/2024	9/23/2024	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 323,433; Non-Residential Outdoor: 107,811; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	35.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301
Total	**0.0227**	**0.2148**	**0.1964**	**3.9000e-004**		**9.9800e-003**	**9.9800e-003**		**9.2800e-003**	**9.2800e-003**	**0.0000**	**33.9921**	**33.9921**	**9.5200e-003**	**0.0000**	**34.2301**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.8000e-004	5.1100e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3084	1.3084	3.0000e-005	3.0000e-005	1.3194
Total	**4.8000e-004**	**3.8000e-004**	**5.1100e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3084**	**1.3084**	**3.0000e-005**	**3.0000e-005**	**1.3194**

Mitigated Construction On-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**0.0227**	**0.2148**	**0.1964**	**3.9000e-004**		**9.9800e-003**	**9.9800e-003**		**9.2800e-003**	**9.2800e-003**	**0.0000**	**33.9920**	**33.9920**	**9.5200e-003**	**0.0000**	**34.2300**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.8000e-004	5.1100e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.2000e-004	0.0000	1.3084	1.3084	3.0000e-005	3.0000e-005	1.3194
Total	**4.8000e-004**	**3.8000e-004**	**5.1100e-003**	**1.0000e-005**	**1.5600e-003**	**1.0000e-005**	**1.5700e-003**	**4.2000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.3084**	**1.3084**	**3.0000e-005**	**3.0000e-005**	**1.3194**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**6.6500e-003**	**0.0688**	**0.0456**	**1.0000e-004**	**0.0491**	**3.1700e-003**	**0.0523**	**0.0253**	**2.9100e-003**	**0.0282**	**0.0000**	**8.3627**	**8.3627**	**2.7000e-003**	**0.0000**	**8.4303**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.5300e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3925	0.3925	1.0000e-005	1.0000e-005	0.3958
Total	**1.4000e-004**	**1.1000e-004**	**1.5300e-003**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3925**	**0.3925**	**1.0000e-005**	**1.0000e-005**	**0.3958**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0210	0.0000	0.0210	0.0108	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0688	0.0456	1.0000e-004		3.1700e-003	3.1700e-003		2.9100e-003	2.9100e-003	0.0000	8.3627	8.3627	2.7000e-003	0.0000	8.4303

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**6.6500e-003**	**0.0688**	**0.0456**	**1.0000e-004**	**0.0210**	**3.1700e-003**	**0.0242**	**0.0108**	**2.9100e-003**	**0.0137**	**0.0000**	**8.3627**	**8.3627**	**2.7000e-003**	**0.0000**	**8.4303**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.5300e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3925	0.3925	1.0000e-005	1.0000e-005	0.3958
Total	**1.4000e-004**	**1.1000e-004**	**1.5300e-003**	**0.0000**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3925**	**0.3925**	**1.0000e-005**	**1.0000e-005**	**0.3958**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0283	0.0000	0.0283	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0717	0.0590	1.2000e-004		3.1000e-003	3.1000e-003		2.8500e-003	2.8500e-003	0.0000	10.4243	10.4243	3.3700e-003	0.0000	10.5085

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**6.8400e-003**	**0.0717**	**0.0590**	**1.2000e-004**	**0.0283**	**3.1000e-003**	**0.0314**	**0.0137**	**2.8500e-003**	**0.0166**	**0.0000**	**10.4243**	**10.4243**	**3.3700e-003**	**0.0000**	**10.5085**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	2.0400e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5234	0.5234	1.0000e-005	1.0000e-005	0.5278
Total	**1.9000e-004**	**1.5000e-004**	**2.0400e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5234**	**0.5234**	**1.0000e-005**	**1.0000e-005**	**0.5278**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	5.8600e-003	0.0000	5.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0717	0.0590	1.2000e-004		3.1000e-003	3.1000e-003		2.8500e-003	2.8500e-003	0.0000	10.4242	10.4242	3.3700e-003	0.0000	10.5085

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**6.8400e-003**	**0.0717**	**0.0590**	**1.2000e-004**	**0.0121**	**3.1000e-003**	**0.0152**	**5.8600e-003**	**2.8500e-003**	**8.7100e-003**	**0.0000**	**10.4242**	**10.4242**	**3.3700e-003**	**0.0000**	**10.5085**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	2.0400e-003	1.0000e-005	6.2000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5234	0.5234	1.0000e-005	1.0000e-005	0.5278
Total	**1.9000e-004**	**1.5000e-004**	**2.0400e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.3000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.5234**	**0.5234**	**1.0000e-005**	**1.0000e-005**	**0.5278**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0590	0.5394	0.6092	1.0100e-003		0.0262	0.0262		0.0247	0.0247	0.0000	86.9268	86.9268	0.0207	0.0000	87.4437
Total	**0.0590**	**0.5394**	**0.6092**	**1.0100e-003**		**0.0262**	**0.0262**		**0.0247**	**0.0247**	**0.0000**	**86.9268**	**86.9268**	**0.0207**	**0.0000**	**87.4437**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0529	0.0198	2.4000e-004	8.2700e-003	2.5000e-004	8.5300e-003	2.3900e-003	2.4000e-004	2.6300e-003	0.0000	23.8642	23.8642	8.0000e-004	3.4300e-003	24.9076
Worker	0.0108	8.6000e-003	0.1163	3.2000e-004	0.0374	2.3000e-004	0.0376	9.9300e-003	2.1000e-004	0.0101	0.0000	29.7653	29.7653	7.9000e-004	7.7000e-004	30.0160
Total	**0.0123**	**0.0615**	**0.1361**	**5.6000e-004**	**0.0457**	**4.8000e-004**	**0.0462**	**0.0123**	**4.5000e-004**	**0.0128**	**0.0000**	**53.6295**	**53.6295**	**1.5900e-003**	**4.2000e-003**	**54.9236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0590	0.5394	0.6092	1.0100e-003		0.0262	0.0262		0.0247	0.0247	0.0000	86.9267	86.9267	0.0207	0.0000	87.4436
Total	**0.0590**	**0.5394**	**0.6092**	**1.0100e-003**		**0.0262**	**0.0262**		**0.0247**	**0.0247**	**0.0000**	**86.9267**	**86.9267**	**0.0207**	**0.0000**	**87.4436**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0529	0.0198	2.4000e-004	7.9200e-003	2.5000e-004	8.1700e-003	2.3000e-003	2.4000e-004	2.5400e-003	0.0000	23.8642	23.8642	8.0000e-004	3.4300e-003	24.9076
Worker	0.0108	8.6000e-003	0.1163	3.2000e-004	0.0355	2.3000e-004	0.0357	9.4500e-003	2.1000e-004	9.6700e-003	0.0000	29.7653	29.7653	7.9000e-004	7.7000e-004	30.0160
Total	**0.0123**	**0.0615**	**0.1361**	**5.6000e-004**	**0.0434**	**4.8000e-004**	**0.0439**	**0.0118**	**4.5000e-004**	**0.0122**	**0.0000**	**53.6295**	**53.6295**	**1.5900e-003**	**4.2000e-003**	**54.9236**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1141	1.0419	1.2529	2.0900e-003		0.0475	0.0475		0.0447	0.0447	0.0000	179.6831	179.6831	0.0425	0.0000	180.7453
Total	**0.1141**	**1.0419**	**1.2529**	**2.0900e-003**		**0.0475**	**0.0475**		**0.0447**	**0.0447**	**0.0000**	**179.6831**	**179.6831**	**0.0425**	**0.0000**	**180.7453**

Unmitigated Construction Off-Site

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ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.1095	0.0401	5.0000e-004	0.0171	5.3000e-004	0.0176	4.9300e-003	5.1000e-004	5.4400e-003	0.0000	48.5793	48.5793	1.6500e-003	7.0000e-003	50.7061
Worker	0.0209	0.0159	0.2234	6.5000e-004	0.0773	4.5000e-004	0.0777	0.0205	4.2000e-004	0.0209	0.0000	59.7757	59.7757	1.4800e-003	1.4900e-003	60.2562
Total	**0.0238**	**0.1254**	**0.2635**	**1.1500e-003**	**0.0944**	**9.8000e-004**	**0.0954**	**0.0255**	**9.3000e-004**	**0.0264**	**0.0000**	**108.3550**	**108.3550**	**3.1300e-003**	**8.4900e-003**	**110.9624**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1141	1.0419	1.2529	2.0900e-003		0.0475	0.0475		0.0447	0.0447	0.0000	179.6828	179.6828	0.0425	0.0000	180.7451
Total	**0.1141**	**1.0419**	**1.2529**	**2.0900e-003**		**0.0475**	**0.0475**		**0.0447**	**0.0447**	**0.0000**	**179.6828**	**179.6828**	**0.0425**	**0.0000**	**180.7451**

Mitigated Construction Off-Site

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.1095	0.0401	5.0000e-004	0.0164	5.3000e-004	0.0169	4.7600e-003	5.1000e-004	5.2600e-003	0.0000	48.5793	48.5793	1.6500e-003	7.0000e-003	50.7061
Worker	0.0209	0.0159	0.2234	6.5000e-004	0.0733	4.5000e-004	0.0737	0.0195	4.2000e-004	0.0200	0.0000	59.7757	59.7757	1.4800e-003	1.4900e-003	60.2562
Total	**0.0238**	**0.1254**	**0.2635**	**1.1500e-003**	**0.0896**	**9.8000e-004**	**0.0906**	**0.0243**	**9.3000e-004**	**0.0252**	**0.0000**	**108.3550**	**108.3550**	**3.1300e-003**	**8.4900e-003**	**110.9624**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.9300e-003	0.0745	0.1100	1.7000e-004		3.5900e-003	3.5900e-003		3.3200e-003	3.3200e-003	0.0000	14.7423	14.7423	4.6300e-003	0.0000	14.8581
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9300e-003**	**0.0745**	**0.1100**	**1.7000e-004**		**3.5900e-003**	**3.5900e-003**		**3.3200e-003**	**3.3200e-003**	**0.0000**	**14.7423**	**14.7423**	**4.6300e-003**	**0.0000**	**14.8581**

Unmitigated Construction Off-Site

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.0000e-004	5.7000e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.5257	1.5257	4.0000e-005	4.0000e-005	1.5379
Total	**5.3000e-004**	**4.0000e-004**	**5.7000e-003**	**2.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.5257**	**1.5257**	**4.0000e-005**	**4.0000e-005**	**1.5379**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.9300e-003	0.0745	0.1100	1.7000e-004		3.5900e-003	3.5900e-003		3.3200e-003	3.3200e-003	0.0000	14.7423	14.7423	4.6300e-003	0.0000	14.8581
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9300e-003**	**0.0745**	**0.1100**	**1.7000e-004**		**3.5900e-003**	**3.5900e-003**		**3.3200e-003**	**3.3200e-003**	**0.0000**	**14.7423**	**14.7423**	**4.6300e-003**	**0.0000**	**14.8581**

Mitigated Construction Off-Site

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.0000e-004	5.7000e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5257	1.5257	4.0000e-005	4.0000e-005	1.5379
Total	**5.3000e-004**	**4.0000e-004**	**5.7000e-003**	**2.0000e-005**	**1.8700e-003**	**1.0000e-005**	**1.8800e-003**	**5.0000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.5257**	**1.5257**	**4.0000e-005**	**4.0000e-005**	**1.5379**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9994					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0110	0.0163	3.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3012
Total	**1.0010**	**0.0110**	**0.0163**	**3.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.3000e-004**	**0.0000**	**2.3012**

Unmitigated Construction Off-Site

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.6000e-004	5.1300e-003	1.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3731	1.3731	3.0000e-005	3.0000e-005	1.3841
Total	**4.8000e-004**	**3.6000e-004**	**5.1300e-003**	**1.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.3731**	**1.3731**	**3.0000e-005**	**3.0000e-005**	**1.3841**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9994					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0110	0.0163	3.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3012
Total	**1.0010**	**0.0110**	**0.0163**	**3.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.3000e-004**	**0.0000**	**2.3012**

Mitigated Construction Off-Site

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.6000e-004	5.1300e-003	1.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3731	1.3731	3.0000e-005	3.0000e-005	1.3841
Total	**4.8000e-004**	**3.6000e-004**	**5.1300e-003**	**1.0000e-005**	**1.6800e-003**	**1.0000e-005**	**1.6900e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3731**	**1.3731**	**3.0000e-005**	**3.0000e-005**	**1.3841**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5776	0.6903	6.3531	0.0145	1.5970	0.0105	1.6075	0.4261	9.7100e-003	0.4358	0.0000	1,344.8906	1,344.8906	0.0876	0.0559	1,363.7337
Unmitigated	0.5776	0.6903	6.3531	0.0145	1.5970	0.0105	1.6075	0.4261	9.7100e-003	0.4358	0.0000	1,344.8906	1,344.8906	0.0876	0.0559	1,363.7337

4.2 Trip Summary Information

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	847.39	1,384.29	1097.52	4,250,376	4,250,376
Total	847.39	1,384.29	1,097.52	4,250,376	4,250,376

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	415.2821	415.2821	0.0351	4.2500e-003	417.4244
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	415.2821	415.2821	0.0351	4.2500e-003	417.4244
NaturalGas Mitigated	0.0209	0.1898	0.1595	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.6551	206.6551	3.9600e-003	3.7900e-003	207.8832

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

NaturalGas Unmitigated	0.0209	0.1898	0.1595	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.6551	206.6551	3.9600e-003	3.7900e-003	207.8832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	3.87257e+006	0.0209	0.1898	0.1595	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.6551	206.6551	3.9600e-003	3.7900e-003	207.8832
Total		**0.0209**	**0.1898**	**0.1595**	**1.1400e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**	**0.0000**	**206.6551**	**206.6551**	**3.9600e-003**	**3.7900e-003**	**207.8832**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	3.87257e+006	0.0209	0.1898	0.1595	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.6551	206.6551	3.9600e-003	3.7900e-003	207.8832
Total		**0.0209**	**0.1898**	**0.1595**	**1.1400e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**	**0.0000**	**206.6551**	**206.6551**	**3.9600e-003**	**3.7900e-003**	**207.8832**

5.3 Energy by Land Use - Electricity

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	2.34165e+006	415.2821	0.0351	4.2500e-003	417.4244
Total		**415.2821**	**0.0351**	**4.2500e-003**	**417.4244**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	2.34165e+006	415.2821	0.0351	4.2500e-003	417.4244
Total		**415.2821**	**0.0351**	**4.2500e-003**	**417.4244**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Unmitigated	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Total	**0.8793**	**2.0000e-005**	**2.7400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3500e-003**	**5.3500e-003**	**1.0000e-005**	**0.0000**	**5.7000e-003**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Total	**0.8793**	**2.0000e-005**	**2.7400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3500e-003**	**5.3500e-003**	**1.0000e-005**	**0.0000**	**5.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	130.9614	1.6345	0.0395	183.6068

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated	130.9614	1.6345	0.0395	183.6068

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	49.8621 / 0	130.9614	1.6345	0.0395	183.6068
Total		**130.9614**	**1.6345**	**0.0395**	**183.6068**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	49.8621 / 0	130.9614	1.6345	0.0395	183.6068
Total		**130.9614**	**1.6345**	**0.0395**	**183.6068**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	54.2737	3.2075	0.0000	134.4608
Unmitigated	54.2737	3.2075	0.0000	134.4608

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	267.37	54.2737	3.2075	0.0000	134.4608
Total		**54.2737**	**3.2075**	**0.0000**	**134.4608**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	267.37	54.2737	3.2075	0.0000	134.4608
Total		**54.2737**	**3.2075**	**0.0000**	**134.4608**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

ABCSPA - Industrial - Heavy Industrial

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	215.62	1000sqft	4.95	215,622.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Off-road Equipment Mitigation - SCAQMD

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7213	27.5685	20.1416	0.0420	19.8582	1.2672	21.1254	10.1558	1.1659	11.3217	0.0000	4,119.4728	4,119.4728	1.1972	0.1235	4,172.6334
2024	111.2839	15.0533	19.5038	0.0417	1.2414	0.6260	1.8674	0.3343	0.5888	0.9231	0.0000	4,085.0856	4,085.0856	0.6489	0.1205	4,137.2140
Maximum	**111.2839**	**27.5685**	**20.1416**	**0.0420**	**19.8582**	**1.2672**	**21.1254**	**10.1558**	**1.1659**	**11.3217**	**0.0000**	**4,119.4728**	**4,119.4728**	**1.1972**	**0.1235**	**4,172.6334**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7213	27.5685	20.1416	0.0420	8.5941	1.2672	9.8613	4.3696	1.1659	5.5354	0.0000	4,119.4728	4,119.4728	1.1972	0.1235	4,172.6334
2024	111.2839	15.0533	19.5038	0.0417	1.1787	0.6260	1.8047	0.3189	0.5888	0.9078	0.0000	4,085.0856	4,085.0856	0.6489	0.1205	4,137.2140
Maximum	**111.2839**	**27.5685**	**20.1416**	**0.0420**	**8.5941**	**1.2672**	**9.8613**	**4.3696**	**1.1659**	**5.5354**	**0.0000**	**4,119.4728**	**4,119.4728**	**1.1972**	**0.1235**	**4,172.6334**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.68**	**0.00**	**49.26**	**55.31**	**0.00**	**47.38**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274
Mobile	4.6412	5.3857	49.8352	0.1140	12.9069	0.0829	12.9899	3.4382	0.0771	3.5152		11,624.2251	11,624.2251	0.7685	0.4846	11,787.8515
Total	**9.5746**	**6.4261**	**50.7309**	**0.1202**	**12.9069**	**0.1621**	**13.0690**	**3.4382**	**0.1562**	**3.5944**		**12,872.4822**	**12,872.4822**	**0.7925**	**0.5075**	**13,043.5291**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mobile	4.6412	5.3857	49.8352	0.1140	12.9069	0.0829	12.9899	3.4382	0.0771	3.5152		11,624.2251	11,624.2251	0.7685	0.4846	11,787.8515
Total	**9.5746**	**6.4261**	**50.7309**	**0.1202**	**12.9069**	**0.1621**	**13.0690**	**3.4382**	**0.1562**	**3.5944**		**12,872.4822**	**12,872.4822**	**0.7925**	**0.5075**	**13,043.5291**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/2/2023	8/29/2023	5	20	
2	Site Preparation	Site Preparation	8/30/2023	9/5/2023	5	5	
3	Grading	Grading	9/6/2023	9/15/2023	5	8	
4	Building Construction	Building Construction	9/16/2023	8/2/2024	5	230	
5	Paving	Paving	8/3/2024	8/28/2024	5	18	
6	Architectural Coating	Architectural Coating	8/29/2024	9/23/2024	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 323,433; Non-Residential Outdoor: 107,811; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	35.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating		1	18.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0516**	**0.0370**	**0.4983**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**142.1030**	**142.1030**	**3.8300e-003**	**3.7000e-003**	**143.3009**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0516**	**0.0370**	**0.4983**	**1.4100e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**142.1030**	**142.1030**	**3.8300e-003**	**3.7000e-003**	**143.3009**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5979	1.6900e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1100e-003	0.0545		170.5237	170.5237	4.6000e-003	4.4400e-003	171.9610
Total	**0.0619**	**0.0444**	**0.5979**	**1.6900e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1100e-003**	**0.0545**		**170.5237**	**170.5237**	**4.6000e-003**	**4.4400e-003**	**171.9610**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**8.4034**	**1.2660**	**9.6694**	**4.3188**	**1.1647**	**5.4835**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Mitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5979	1.6900e-003	0.1907	1.2100e-003	0.1919	0.0508	1.1100e-003	0.0519		170.5237	170.5237	4.6000e-003	4.4400e-003	171.9610
Total	**0.0619**	**0.0444**	**0.5979**	**1.6900e-003**	**0.1907**	**1.2100e-003**	**0.1919**	**0.0508**	**1.1100e-003**	**0.0519**		**170.5237**	**170.5237**	**4.6000e-003**	**4.4400e-003**	**171.9610**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.0826**	**0.7749**	**7.8575**	**3.4247**	**0.7129**	**4.1377**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0516**	**0.0370**	**0.4983**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**142.1030**	**142.1030**	**3.8300e-003**	**3.7000e-003**	**143.3009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.0278**	**0.7749**	**3.8027**	**1.4641**	**0.7129**	**2.1770**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0516**	**0.0370**	**0.4983**	**1.4100e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**142.1030**	**142.1030**	**3.8300e-003**	**3.7000e-003**	**143.3009**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.4065	0.5368	6.5300e-003	0.2242	6.8000e-003	0.2310	0.0646	6.5000e-003	0.0711		702.1711	702.1711	0.0234	0.1011	732.8689

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Worker	0.3129	0.2243	3.0229	8.5300e-003	1.0172	6.1200e-003	1.0233	0.2698	5.6300e-003	0.2754		862.0918	862.0918	0.0233	0.0224	869.3585
Total	**0.3518**	**1.6308**	**3.5597**	**0.0151**	**1.2414**	**0.0129**	**1.2543**	**0.3343**	**0.0121**	**0.3464**		**1,564.2628**	**1,564.2628**	**0.0467**	**0.1235**	**1,602.2274**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.4065	0.5368	6.5300e-003	0.2146	6.8000e-003	0.2214	0.0622	6.5000e-003	0.0687		702.1711	702.1711	0.0234	0.1011	732.8689
Worker	0.3129	0.2243	3.0229	8.5300e-003	0.9641	6.1200e-003	0.9702	0.2567	5.6300e-003	0.2624		862.0918	862.0918	0.0233	0.0224	869.3585

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**0.3518**	**1.6308**	**3.5597**	**0.0151**	**1.1787**	**0.0129**	**1.1916**	**0.3189**	**0.0121**	**0.3311**		**1,564.2628**	**1,564.2628**	**0.0467**	**0.1235**	**1,602.2274**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0376	1.4094	0.5255	6.4200e-003	0.2242	6.8400e-003	0.2310	0.0646	6.5400e-003	0.0711		691.6502	691.6502	0.0235	0.0996	721.9283
Worker	0.2925	0.2001	2.8115	8.2900e-003	1.0172	5.8600e-003	1.0230	0.2698	5.3900e-003	0.2752		837.7365	837.7365	0.0211	0.0209	844.4781
Total	**0.3301**	**1.6095**	**3.3370**	**0.0147**	**1.2414**	**0.0127**	**1.2541**	**0.3343**	**0.0119**	**0.3462**		**1,529.3867**	**1,529.3867**	**0.0445**	**0.1205**	**1,566.4064**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0376	1.4094	0.5255	6.4200e-003	0.2146	6.8400e-003	0.2215	0.0622	6.5400e-003	0.0687		691.6502	691.6502	0.0235	0.0996	721.9283
Worker	0.2925	0.2001	2.8115	8.2900e-003	0.9641	5.8600e-003	0.9700	0.2567	5.3900e-003	0.2621		837.7365	837.7365	0.0211	0.0209	844.4781
Total	**0.3301**	**1.6095**	**3.3370**	**0.0147**	**1.1787**	**0.0127**	**1.1914**	**0.3189**	**0.0119**	**0.3309**		**1,529.3867**	**1,529.3867**	**0.0445**	**0.1205**	**1,566.4064**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**		**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0643	0.0440	0.6179	1.8200e-003	0.2236	1.2900e-003	0.2248	0.0593	1.1900e-003	0.0605		184.1179	184.1179	4.6300e-003	4.5800e-003	185.5996
Total	**0.0643**	**0.0440**	**0.6179**	**1.8200e-003**	**0.2236**	**1.2900e-003**	**0.2248**	**0.0593**	**1.1900e-003**	**0.0605**		**184.1179**	**184.1179**	**4.6300e-003**	**4.5800e-003**	**185.5996**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**	**0.0000**	**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0643	0.0440	0.6179	1.8200e-003	0.2119	1.2900e-003	0.2132	0.0564	1.1900e-003	0.0576		184.1179	184.1179	4.6300e-003	4.5800e-003	185.5996
Total	**0.0643**	**0.0440**	**0.6179**	**1.8200e-003**	**0.2119**	**1.2900e-003**	**0.2132**	**0.0564**	**1.1900e-003**	**0.0576**		**184.1179**	**184.1179**	**4.6300e-003**	**4.5800e-003**	**185.5996**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0579	0.0396	0.5561	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		165.7061	165.7061	4.1700e-003	4.1300e-003	167.0396
Total	**0.0579**	**0.0396**	**0.5561**	**1.6400e-003**	**0.2012**	**1.1600e-003**	**0.2024**	**0.0534**	**1.0700e-003**	**0.0544**		**165.7061**	**165.7061**	**4.1700e-003**	**4.1300e-003**	**167.0396**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0579	0.0396	0.5561	1.6400e-003	0.1907	1.1600e-003	0.1919	0.0508	1.0700e-003	0.0519		165.7061	165.7061	4.1700e-003	4.1300e-003	167.0396
Total	**0.0579**	**0.0396**	**0.5561**	**1.6400e-003**	**0.1907**	**1.1600e-003**	**0.1919**	**0.0508**	**1.0700e-003**	**0.0519**		**165.7061**	**165.7061**	**4.1700e-003**	**4.1300e-003**	**167.0396**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6412	5.3857	49.8352	0.1140	12.9069	0.0829	12.9899	3.4382	0.0771	3.5152		11,624.2251	11,624.2251	0.7685	0.4846	11,787.8515
Unmitigated	4.6412	5.3857	49.8352	0.1140	12.9069	0.0829	12.9899	3.4382	0.0771	3.5152		11,624.2251	11,624.2251	0.7685	0.4846	11,787.8515

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	847.39	1,384.29	1097.52	4,250,376	4,250,376
Total	847.39	1,384.29	1,097.52	4,250,376	4,250,376

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274
NaturalGas Unmitigated	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	10609.8	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.627
Total		**0.1144**	**1.0402**	**0.8738**	**6.2400e-003**		**0.0791**	**0.0791**		**0.0791**	**0.0791**		**1,248.2099**	**1,248.2099**	**0.0239**	**0.0229**	**1,255.627**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	10.6098	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.627
Total		**0.1144**	**1.0402**	**0.8738**	**6.2400e-003**		**0.0791**	**0.0791**		**0.0791**	**0.0791**		**1,248.2099**	**1,248.2099**	**0.0239**	**0.0229**	**1,255.627**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Unmitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Date: 8/2/2023 2:50 PM

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4

4

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

ABCSPA - Industrial - Heavy Industrial

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	215.62	1000sqft	4.95	215,622.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Off-road Equipment Mitigation - SCAQMD

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7171	27.5643	20.1855	0.0425	19.8582	1.2672	21.1254	10.1558	1.1659	11.3217	0.0000	4,166.2672	4,166.2672	1.1971	0.1218	4,218.9159
2024	111.2798	14.9711	19.7322	0.0421	1.2414	0.6260	1.8673	0.3343	0.5888	0.9231	0.0000	4,130.4344	4,130.4344	0.6487	0.1189	4,182.0855
Maximum	**111.2798**	**27.5643**	**20.1855**	**0.0425**	**19.8582**	**1.2672**	**21.1254**	**10.1558**	**1.1659**	**11.3217**	**0.0000**	**4,166.2672**	**4,166.2672**	**1.1971**	**0.1218**	**4,218.9159**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7171	27.5643	20.1855	0.0425	8.5941	1.2672	9.8613	4.3696	1.1659	5.5354	0.0000	4,166.2672	4,166.2672	1.1971	0.1218	4,218.9159
2024	111.2798	14.9711	19.7322	0.0421	1.1787	0.6260	1.8047	0.3189	0.5888	0.9077	0.0000	4,130.4344	4,130.4344	0.6487	0.1189	4,182.0855
Maximum	**111.2798**	**27.5643**	**20.1855**	**0.0425**	**8.5941**	**1.2672**	**9.8613**	**4.3696**	**1.1659**	**5.5354**	**0.0000**	**4,166.2672**	**4,166.2672**	**1.1971**	**0.1218**	**4,218.9159**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.68**	**0.00**	**49.26**	**55.31**	**0.00**	**47.38**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274
Mobile	4.7058	4.9906	51.2494	0.1190	12.9069	0.0829	12.9898	3.4382	0.0770	3.5152		12,137.5245	12,137.5245	0.7525	0.4650	12,294.8925
Total	**9.6392**	**6.0310**	**52.1451**	**0.1253**	**12.9069**	**0.1620**	**13.0690**	**3.4382**	**0.1562**	**3.5943**		**13,385.7816**	**13,385.7816**	**0.7765**	**0.4878**	**13,550.5701**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mobile	4.7058	4.9906	51.2494	0.1190	12.9069	0.0829	12.9898	3.4382	0.0770	3.5152		12,137.5245	12,137.5245	0.7525	0.4650	12,294.8925
Total	**9.6392**	**6.0310**	**52.1451**	**0.1253**	**12.9069**	**0.1620**	**13.0690**	**3.4382**	**0.1562**	**3.5943**		**13,385.7816**	**13,385.7816**	**0.7765**	**0.4878**	**13,550.5701**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/2/2023	8/29/2023	5	20	
2	Site Preparation	Site Preparation	8/30/2023	9/5/2023	5	5	
3	Grading	Grading	9/6/2023	9/15/2023	5	8	
4	Building Construction	Building Construction	9/16/2023	8/2/2024	5	230	
5	Paving	Paving	8/3/2024	8/28/2024	5	18	
6	Architectural Coating	Architectural Coating	8/29/2024	9/23/2024	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 323,433; Non-Residential Outdoor: 107,811; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	35.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating		1	18.00	0.00		14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5421	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		150.0113	150.0113	3.7800e-003	3.4600e-003	151.1375
Total	**0.0480**	**0.0335**	**0.5421**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**150.0113**	**150.0113**	**3.7800e-003**	**3.4600e-003**	**151.1375**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5421	1.4800e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		150.0113	150.0113	3.7800e-003	3.4600e-003	151.1375
Total	**0.0480**	**0.0335**	**0.5421**	**1.4800e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**150.0113**	**150.0113**	**3.7800e-003**	**3.4600e-003**	**151.1375**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6505	1.7800e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1100e-003	0.0545		180.0136	180.0136	4.5400e-003	4.1500e-003	181.3650
Total	**0.0576**	**0.0402**	**0.6505**	**1.7800e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1100e-003**	**0.0545**		**180.0136**	**180.0136**	**4.5400e-003**	**4.1500e-003**	**181.3650**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**8.4034**	**1.2660**	**9.6694**	**4.3188**	**1.1647**	**5.4835**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Mitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6505	1.7800e-003	0.1907	1.2100e-003	0.1919	0.0508	1.1100e-003	0.0519		180.0136	180.0136	4.5400e-003	4.1500e-003	181.3650
Total	**0.0576**	**0.0402**	**0.6505**	**1.7800e-003**	**0.1907**	**1.2100e-003**	**0.1919**	**0.0508**	**1.1100e-003**	**0.0519**		**180.0136**	**180.0136**	**4.5400e-003**	**4.1500e-003**	**181.3650**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.0826**	**0.7749**	**7.8575**	**3.4247**	**0.7129**	**4.1377**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5421	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		150.0113	150.0113	3.7800e-003	3.4600e-003	151.1375
Total	**0.0480**	**0.0335**	**0.5421**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**150.0113**	**150.0113**	**3.7800e-003**	**3.4600e-003**	**151.1375**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.0278**	**0.7749**	**3.8027**	**1.4641**	**0.7129**	**2.1770**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5421	1.4800e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		150.0113	150.0113	3.7800e-003	3.4600e-003	151.1375
Total	**0.0480**	**0.0335**	**0.5421**	**1.4800e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**150.0113**	**150.0113**	**3.7800e-003**	**3.4600e-003**	**151.1375**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.3434	0.5205	6.5100e-003	0.2242	6.7500e-003	0.2309	0.0646	6.4600e-003	0.0710		700.9887	700.9887	0.0235	0.1008	731.6089

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Worker	0.2912	0.2030	3.2887	9.0000e-003	1.0172	6.1200e-003	1.0233	0.2698	5.6300e-003	0.2754		910.0686	910.0686	0.0230	0.0210	916.9009
Total	**0.3315**	**1.5464**	**3.8092**	**0.0155**	**1.2414**	**0.0129**	**1.2542**	**0.3343**	**0.0121**	**0.3464**		**1,611.0573**	**1,611.0573**	**0.0464**	**0.1218**	**1,648.5098**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.3434	0.5205	6.5100e-003	0.2146	6.7500e-003	0.2214	0.0622	6.4600e-003	0.0687		700.9887	700.9887	0.0235	0.1008	731.6089
Worker	0.2912	0.2030	3.2887	9.0000e-003	0.9641	6.1200e-003	0.9702	0.2567	5.6300e-003	0.2624		910.0686	910.0686	0.0230	0.0210	916.9009

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	**0.3315**	**1.5464**	**3.8092**	**0.0155**	**1.1787**	**0.0129**	**1.1916**	**0.3189**	**0.0121**	**0.3310**		**1,611.0573**	**1,611.0573**	**0.0464**	**0.1218**	**1,648.5098**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0391	1.3462	0.5094	6.4100e-003	0.2242	6.8000e-003	0.2310	0.0646	6.5000e-003	0.0711		690.4611	690.4611	0.0236	0.0994	720.6640
Worker	0.2713	0.1812	3.0560	8.7500e-003	1.0172	5.8600e-003	1.0230	0.2698	5.3900e-003	0.2752		884.2744	884.2744	0.0208	0.0195	890.6138
Total	**0.3104**	**1.5274**	**3.5654**	**0.0152**	**1.2414**	**0.0127**	**1.2540**	**0.3343**	**0.0119**	**0.3462**		**1,574.7355**	**1,574.7355**	**0.0443**	**0.1189**	**1,611.2778**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0391	1.3462	0.5094	6.4100e-003	0.2146	6.8000e-003	0.2214	0.0622	6.5000e-003	0.0687		690.4611	690.4611	0.0236	0.0994	720.6640
Worker	0.2713	0.1812	3.0560	8.7500e-003	0.9641	5.8600e-003	0.9700	0.2567	5.3900e-003	0.2621		884.2744	884.2744	0.0208	0.0195	890.6138
Total	**0.3104**	**1.5274**	**3.5654**	**0.0152**	**1.1787**	**0.0127**	**1.1914**	**0.3189**	**0.0119**	**0.3308**		**1,574.7355**	**1,574.7355**	**0.0443**	**0.1189**	**1,611.2778**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**		**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0596	0.0398	0.6717	1.9200e-003	0.2236	1.2900e-003	0.2248	0.0593	1.1900e-003	0.0605		194.3460	194.3460	4.5600e-003	4.2900e-003	195.7393
Total	**0.0596**	**0.0398**	**0.6717**	**1.9200e-003**	**0.2236**	**1.2900e-003**	**0.2248**	**0.0593**	**1.1900e-003**	**0.0605**		**194.3460**	**194.3460**	**4.5600e-003**	**4.2900e-003**	**195.7393**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**	**0.0000**	**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0596	0.0398	0.6717	1.9200e-003	0.2119	1.2900e-003	0.2132	0.0564	1.1900e-003	0.0576		194.3460	194.3460	4.5600e-003	4.2900e-003	195.7393
Total	**0.0596**	**0.0398**	**0.6717**	**1.9200e-003**	**0.2119**	**1.2900e-003**	**0.2132**	**0.0564**	**1.1900e-003**	**0.0576**		**194.3460**	**194.3460**	**4.5600e-003**	**4.2900e-003**	**195.7393**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0537	0.0358	0.6045	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		174.9114	174.9114	4.1100e-003	3.8600e-003	176.1654
Total	**0.0537**	**0.0358**	**0.6045**	**1.7300e-003**	**0.2012**	**1.1600e-003**	**0.2024**	**0.0534**	**1.0700e-003**	**0.0544**		**174.9114**	**174.9114**	**4.1100e-003**	**3.8600e-003**	**176.1654**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0537	0.0358	0.6045	1.7300e-003	0.1907	1.1600e-003	0.1919	0.0508	1.0700e-003	0.0519		174.9114	174.9114	4.1100e-003	3.8600e-003	176.1654
Total	**0.0537**	**0.0358**	**0.6045**	**1.7300e-003**	**0.1907**	**1.1600e-003**	**0.1919**	**0.0508**	**1.0700e-003**	**0.0519**		**174.9114**	**174.9114**	**4.1100e-003**	**3.8600e-003**	**176.1654**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7058	4.9906	51.2494	0.1190	12.9069	0.0829	12.9898	3.4382	0.0770	3.5152		12,137.5245	12,137.5245	0.7525	0.4650	12,294.8925
Unmitigated	4.7058	4.9906	51.2494	0.1190	12.9069	0.0829	12.9898	3.4382	0.0770	3.5152		12,137.5245	12,137.5245	0.7525	0.4650	12,294.8925

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	847.39	1,384.29	1097.52	4,250,376	4,250,376
Total	847.39	1,384.29	1,097.52	4,250,376	4,250,376

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274
NaturalGas Unmitigated	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.6274

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	10609.8	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.627
Total		**0.1144**	**1.0402**	**0.8738**	**6.2400e-003**		**0.0791**	**0.0791**		**0.0791**	**0.0791**		**1,248.2099**	**1,248.2099**	**0.0239**	**0.0229**	**1,255.627**

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	10.6098	0.1144	1.0402	0.8738	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.2099	1,248.2099	0.0239	0.0229	1,255.627
Total		**0.1144**	**1.0402**	**0.8738**	**6.2400e-003**		**0.0791**	**0.0791**		**0.0791**	**0.0791**		**1,248.2099**	**1,248.2099**	**0.0239**	**0.0229**	**1,255.627**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

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

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Unmitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Date: 8/2/2023 2:49 PM

ABCSPA - Industrial - Heavy Industrial - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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4

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

ABCSPA - Commercial Alternative

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	71.87	1000sqft	1.65	71,874.00	0
High Turnover (Sit Down Restaurant)	71.87	1000sqft	1.65	71,874.00	0
Strip Mall	71.87	1000sqft	1.65	71,874.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Off-road Equipment Mitigation - SCAQMD Rules

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1065	0.9556	1.0361	2.1500e-003	0.1198	0.0429	0.1627	0.0504	0.0402	0.0906	0.0000	190.9926	190.9926	0.0378	4.1400e-003	193.1709
2024	1.1444	1.2508	1.6167	3.3600e-003	0.0851	0.0526	0.1377	0.0230	0.0495	0.0724	0.0000	298.9777	298.9777	0.0502	8.3100e-003	302.7086
Maximum	**1.1444**	**1.2508**	**1.6167**	**3.3600e-003**	**0.1198**	**0.0526**	**0.1627**	**0.0504**	**0.0495**	**0.0906**	**0.0000**	**298.9777**	**298.9777**	**0.0502**	**8.3100e-003**	**302.7086**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

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

2023	0.1065	0.9556	1.0361	2.1500e-003	0.0733	0.0429	0.1162	0.0276	0.0402	0.0677	0.0000	190.9924	190.9924	0.0378	4.1400e-003	193.1707
2024	1.1444	1.2508	1.6167	3.3600e-003	0.0808	0.0526	0.1334	0.0220	0.0495	0.0714	0.0000	298.9775	298.9775	0.0502	8.3100e-003	302.7084
Maximum	**1.1444**	**1.2508**	**1.6167**	**3.3600e-003**	**0.0808**	**0.0526**	**0.1334**	**0.0276**	**0.0495**	**0.0714**	**0.0000**	**298.9775**	**298.9775**	**0.0502**	**8.3100e-003**	**302.7084**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.76**	**0.00**	**16.89**	**32.52**	**0.00**	**14.64**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**8-2-2023**	**11-1-2023**	0.6836	0.6836
2	**11-2-2023**	**2-1-2024**	0.5742	0.5742
3	**2-2-2024**	**5-1-2024**	0.5381	0.5381
4	**5-2-2024**	**8-1-2024**	0.5480	0.5480
5	**8-2-2024**	**9-30-2024**	1.1367	1.1367
		Highest	1.1367	1.1367

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Energy	0.0939	0.8536	0.7170	5.1200e-003		0.0649	0.0649		0.0649	0.0649	0.0000	1,806.6908	1,806.6908	0.0919	0.0260	1,816.7394
Mobile	4.2570	3.9016	35.1922	0.0662	7.0687	0.0518	7.1205	1.8859	0.0481	1.9340	0.0000	6,283.2765	6,283.2765	0.5258	0.3165	6,390.7288

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

Waste						0.0000	0.0000		0.0000	0.0000	202.4936	0.0000	202.4936	11.9670	0.0000	501.6694
Water						0.0000	0.0000		0.0000	0.0000	12.6623	116.7641	129.4265	1.3104	0.0319	171.6936
Total	**5.2303**	**4.7552**	**35.9120**	**0.0714**	**7.0687**	**0.1167**	**7.1853**	**1.8859**	**0.1129**	**1.9988**	**215.1560**	**8,206.7367**	**8,421.8927**	**13.8951**	**0.3744**	**8,880.8369**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Energy	0.0939	0.8536	0.7170	5.1200e-003		0.0649	0.0649		0.0649	0.0649	0.0000	1,806.6908	1,806.6908	0.0919	0.0260	1,816.7394
Mobile	4.2570	3.9016	35.1922	0.0662	7.0687	0.0518	7.1205	1.8859	0.0481	1.9340	0.0000	6,283.2765	6,283.2765	0.5258	0.3165	6,390.7288
Waste						0.0000	0.0000		0.0000	0.0000	202.4936	0.0000	202.4936	11.9670	0.0000	501.6694
Water						0.0000	0.0000		0.0000	0.0000	12.6623	116.7641	129.4265	1.3104	0.0319	171.6936
Total	**5.2303**	**4.7552**	**35.9120**	**0.0714**	**7.0687**	**0.1167**	**7.1853**	**1.8859**	**0.1129**	**1.9988**	**215.1560**	**8,206.7367**	**8,421.8927**	**13.8951**	**0.3744**	**8,880.8369**

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

3.0 Construction Detail

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/2/2023	8/29/2023	5	20	
2	Site Preparation	Site Preparation	8/30/2023	9/5/2023	5	5	
3	Grading	Grading	9/6/2023	9/15/2023	5	8	
4	Building Construction	Building Construction	9/16/2023	8/2/2024	5	230	
5	Paving	Paving	8/3/2024	8/28/2024	5	18	
6	Architectural Coating	Architectural Coating	8/29/2024	9/23/2024	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 323,433; Non-Residential Outdoor: 107,811; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20

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

Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	76.00	35.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2023

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.8000e-004	5.1200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3248	1.3248	3.0000e-005	3.0000e-005	1.3358
Total	**4.8000e-004**	**3.8000e-004**	**5.1200e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3248**	**1.3248**	**3.0000e-005**	**3.0000e-005**	**1.3358**

Mitigated Construction On-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.8000e-004	5.1200e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.2000e-004	0.0000	1.3248	1.3248	3.0000e-005	3.0000e-005	1.3358
Total	**4.8000e-004**	**3.8000e-004**	**5.1200e-003**	**1.0000e-005**	**1.5600e-003**	**1.0000e-005**	**1.5700e-003**	**4.2000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.3248**	**1.3248**	**3.0000e-005**	**3.0000e-005**	**1.3358**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.5400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3974	0.3974	1.0000e-005	1.0000e-005	0.4007
Total	**1.4000e-004**	**1.1000e-004**	**1.5400e-003**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3974**	**0.3974**	**1.0000e-005**	**1.0000e-005**	**0.4007**

Mitigated Construction On-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0210	0.0000	0.0210	0.0108	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0688	0.0456	1.0000e-004		3.1700e-003	3.1700e-003		2.9100e-003	2.9100e-003	0.0000	8.3627	8.3627	2.7000e-003	0.0000	8.4303
Total	**6.6500e-003**	**0.0688**	**0.0456**	**1.0000e-004**	**0.0210**	**3.1700e-003**	**0.0242**	**0.0108**	**2.9100e-003**	**0.0137**	**0.0000**	**8.3627**	**8.3627**	**2.7000e-003**	**0.0000**	**8.4303**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.5400e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3974	0.3974	1.0000e-005	1.0000e-005	0.4007
Total	**1.4000e-004**	**1.1000e-004**	**1.5400e-003**	**0.0000**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3974**	**0.3974**	**1.0000e-005**	**1.0000e-005**	**0.4007**

3.4 Grading - 2023

Unmitigated Construction On-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0283	0.0000	0.0283	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0717	0.0590	1.2000e-004		3.1000e-003	3.1000e-003		2.8500e-003	2.8500e-003	0.0000	10.4243	10.4243	3.3700e-003	0.0000	10.5085
Total	**6.8400e-003**	**0.0717**	**0.0590**	**1.2000e-004**	**0.0283**	**3.1000e-003**	**0.0314**	**0.0137**	**2.8500e-003**	**0.0166**	**0.0000**	**10.4243**	**10.4243**	**3.3700e-003**	**0.0000**	**10.5085**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	2.0500e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5299	0.5299	1.0000e-005	1.0000e-005	0.5343
Total	**1.9000e-004**	**1.5000e-004**	**2.0500e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5299**	**0.5299**	**1.0000e-005**	**1.0000e-005**	**0.5343**

Mitigated Construction On-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	5.8600e-003	0.0000	5.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0717	0.0590	1.2000e-004		3.1000e-003	3.1000e-003		2.8500e-003	2.8500e-003	0.0000	10.4242	10.4242	3.3700e-003	0.0000	10.5085
Total	**6.8400e-003**	**0.0717**	**0.0590**	**1.2000e-004**	**0.0121**	**3.1000e-003**	**0.0152**	**5.8600e-003**	**2.8500e-003**	**8.7100e-003**	**0.0000**	**10.4242**	**10.4242**	**3.3700e-003**	**0.0000**	**10.5085**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	2.0500e-003	1.0000e-005	6.2000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5299	0.5299	1.0000e-005	1.0000e-005	0.5343
Total	**1.9000e-004**	**1.5000e-004**	**2.0500e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.3000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.5299**	**0.5299**	**1.0000e-005**	**1.0000e-005**	**0.5343**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0590	0.5394	0.6092	1.0100e-003		0.0262	0.0262		0.0247	0.0247	0.0000	86.9268	86.9268	0.0207	0.0000	87.4437
Total	**0.0590**	**0.5394**	**0.6092**	**1.0100e-003**		**0.0262**	**0.0262**		**0.0247**	**0.0247**	**0.0000**	**86.9268**	**86.9268**	**0.0207**	**0.0000**	**87.4437**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0529	0.0198	2.4000e-004	8.2700e-003	2.5000e-004	8.5300e-003	2.3900e-003	2.4000e-004	2.6300e-003	0.0000	23.8642	23.8642	8.0000e-004	3.4300e-003	24.9076
Worker	9.0500e-003	7.1800e-003	0.0974	2.7000e-004	0.0312	1.9000e-004	0.0314	8.2900e-003	1.8000e-004	8.4700e-003	0.0000	25.1705	25.1705	6.6000e-004	6.5000e-004	25.3799
Total	**0.0105**	**0.0601**	**0.1172**	**5.1000e-004**	**0.0395**	**4.4000e-004**	**0.0400**	**0.0107**	**4.2000e-004**	**0.0111**	**0.0000**	**49.0347**	**49.0347**	**1.4600e-003**	**4.0800e-003**	**50.2875**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Off-Road	0.0590	0.5394	0.6092	1.0100e-003		0.0262	0.0262		0.0247	0.0247	0.0000	86.9267	86.9267	0.0207	0.0000	87.4436
Total	**0.0590**	**0.5394**	**0.6092**	**1.0100e-003**		**0.0262**	**0.0262**		**0.0247**	**0.0247**	**0.0000**	**86.9267**	**86.9267**	**0.0207**	**0.0000**	**87.4436**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0529	0.0198	2.4000e-004	7.9200e-003	2.5000e-004	8.1700e-003	2.3000e-003	2.4000e-004	2.5400e-003	0.0000	23.8642	23.8642	8.0000e-004	3.4300e-003	24.9076
Worker	9.0500e-003	7.1800e-003	0.0974	2.7000e-004	0.0296	1.9000e-004	0.0298	7.9000e-003	1.8000e-004	8.0700e-003	0.0000	25.1705	25.1705	6.6000e-004	6.5000e-004	25.3799
Total	**0.0105**	**0.0601**	**0.1172**	**5.1000e-004**	**0.0375**	**4.4000e-004**	**0.0380**	**0.0102**	**4.2000e-004**	**0.0106**	**0.0000**	**49.0347**	**49.0347**	**1.4600e-003**	**4.0800e-003**	**50.2875**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Off-Road	0.1141	1.0419	1.2529	2.0900e-003		0.0475	0.0475		0.0447	0.0447	0.0000	179.6831	179.6831	0.0425	0.0000	180.7453
Total	**0.1141**	**1.0419**	**1.2529**	**2.0900e-003**		**0.0475**	**0.0475**		**0.0447**	**0.0447**	**0.0000**	**179.6831**	**179.6831**	**0.0425**	**0.0000**	**180.7453**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.1095	0.0401	5.0000e-004	0.0171	5.3000e-004	0.0176	4.9300e-003	5.1000e-004	5.4400e-003	0.0000	48.5793	48.5793	1.6500e-003	7.0000e-003	50.7061
Worker	0.0175	0.0133	0.1874	5.4000e-004	0.0645	3.8000e-004	0.0649	0.0171	3.5000e-004	0.0175	0.0000	50.9503	50.9503	1.2400e-003	1.2400e-003	51.3516
Total	**0.0204**	**0.1228**	**0.2275**	**1.0400e-003**	**0.0816**	**9.1000e-004**	**0.0825**	**0.0221**	**8.6000e-004**	**0.0229**	**0.0000**	**99.5296**	**99.5296**	**2.8900e-003**	**8.2400e-003**	**102.0577**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1141	1.0419	1.2529	2.0900e-003		0.0475	0.0475		0.0447	0.0447	0.0000	179.6828	179.6828	0.0425	0.0000	180.7451

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Total	**0.1141**	**1.0419**	**1.2529**	**2.0900e-003**		**0.0475**	**0.0475**		**0.0447**	**0.0447**	**0.0000**	**179.6828**	**179.6828**	**0.0425**	**0.0000**	**180.7451**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9700e-003	0.1095	0.0401	5.0000e-004	0.0164	5.3000e-004	0.0169	4.7600e-003	5.1000e-004	5.2600e-003	0.0000	48.5793	48.5793	1.6500e-003	7.0000e-003	50.7061
Worker	0.0175	0.0133	0.1874	5.4000e-004	0.0612	3.8000e-004	0.0616	0.0163	3.5000e-004	0.0167	0.0000	50.9503	50.9503	1.2400e-003	1.2400e-003	51.3516
Total	**0.0204**	**0.1228**	**0.2275**	**1.0400e-003**	**0.0776**	**9.1000e-004**	**0.0785**	**0.0211**	**8.6000e-004**	**0.0219**	**0.0000**	**99.5296**	**99.5296**	**2.8900e-003**	**8.2400e-003**	**102.0577**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.9300e-003	0.0745	0.1100	1.7000e-004		3.5900e-003	3.5900e-003		3.3200e-003	3.3200e-003	0.0000	14.7423	14.7423	4.6300e-003	0.0000	14.8581
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Total	**7.9300e-003**	**0.0745**	**0.1100**	**1.7000e-004**		**3.5900e-003**	**3.5900e-003**		**3.3200e-003**	**3.3200e-003**	**0.0000**	**14.7423**	**14.7423**	**4.6300e-003**	**0.0000**	**14.8581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.1000e-004	5.7300e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.5571	1.5571	4.0000e-005	4.0000e-005	1.5693
Total	**5.3000e-004**	**4.1000e-004**	**5.7300e-003**	**2.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.5571**	**1.5571**	**4.0000e-005**	**4.0000e-005**	**1.5693**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.9300e-003	0.0745	0.1100	1.7000e-004		3.5900e-003	3.5900e-003		3.3200e-003	3.3200e-003	0.0000	14.7423	14.7423	4.6300e-003	0.0000	14.8581
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Total	**7.9300e-003**	**0.0745**	**0.1100**	**1.7000e-004**		**3.5900e-003**	**3.5900e-003**		**3.3200e-003**	**3.3200e-003**	**0.0000**	**14.7423**	**14.7423**	**4.6300e-003**	**0.0000**	**14.8581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.1000e-004	5.7300e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5571	1.5571	4.0000e-005	4.0000e-005	1.5693
Total	**5.3000e-004**	**4.1000e-004**	**5.7300e-003**	**2.0000e-005**	**1.8700e-003**	**1.0000e-005**	**1.8800e-003**	**5.0000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.5571**	**1.5571**	**4.0000e-005**	**4.0000e-005**	**1.5693**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9994					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0110	0.0163	3.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3012

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

Total	**1.0010**	**0.0110**	**0.0163**	**3.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.3000e-004**	**0.0000**	**2.3012**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.0000e-004	4.3000e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1678	1.1678	3.0000e-005	3.0000e-005	1.1770
Total	**4.0000e-004**	**3.0000e-004**	**4.3000e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1678**	**1.1678**	**3.0000e-005**	**3.0000e-005**	**1.1770**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9994					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0110	0.0163	3.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3012

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

Total	**1.0010**	**0.0110**	**0.0163**	**3.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.3000e-004**	**0.0000**	**2.3012**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.0000e-004	4.3000e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1678	1.1678	3.0000e-005	3.0000e-005	1.1770
Total	**4.0000e-004**	**3.0000e-004**	**4.3000e-003**	**1.0000e-005**	**1.4000e-003**	**1.0000e-005**	**1.4100e-003**	**3.7000e-004**	**1.0000e-005**	**3.8000e-004**	**0.0000**	**1.1678**	**1.1678**	**3.0000e-005**	**3.0000e-005**	**1.1770**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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Category	tons/yr										MT/yr					
Mitigated	4.2570	3.9016	35.1922	0.0662	7.0687	0.0518	7.1205	1.8859	0.0481	1.9340	0.0000	6,283.2765	6,283.2765	0.5258	0.3165	6,390.7288
Unmitigated	4.2570	3.9016	35.1922	0.0662	7.0687	0.0518	7.1205	1.8859	0.0481	1.9340	0.0000	6,283.2765	6,283.2765	0.5258	0.3165	6,390.7288

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	700.01	158.83	50.31	1,707,011	1,707,011
High Turnover (Sit Down Restaurant)	8,062.38	8,796.89	10251.54	11,556,863	11,556,863
Strip Mall	3,185.28	3,021.41	1468.30	5,549,085	5,549,085
Total	11,947.67	11,977.14	11,770.15	18,812,959	18,812,959

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003
Strip Mall	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003

5.0 Energy Detail

Historical Energy Use: N

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

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	877.4714	877.4714	0.0741	8.9800e-003	881.9981
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	877.4714	877.4714	0.0741	8.9800e-003	881.9981
NaturalGas Mitigated	0.0939	0.8536	0.7170	5.1200e-003		0.0649	0.0649		0.0649	0.0649	0.0000	929.2194	929.2194	0.0178	0.0170	934.7413
NaturalGas Unmitigated	0.0939	0.8536	0.7170	5.1200e-003		0.0649	0.0649		0.0649	0.0649	0.0000	929.2194	929.2194	0.0178	0.0170	934.7413

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	741021	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5437	39.5437	7.6000e-004	7.2000e-004	39.7787
High Turnover (Sit Down Restaurant)	1.65547e+007	0.0893	0.8115	0.6817	4.8700e-003		0.0617	0.0617		0.0617	0.0617	0.0000	883.4239	883.4239	0.0169	0.0162	888.6736
Strip Mall	117155	6.3000e-004	5.7400e-003	4.8200e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2518	6.2518	1.2000e-004	1.1000e-004	6.2890

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Total		**0.0939**	**0.8536**	**0.7170**	**5.1200e-003**		**0.0649**	**0.0649**		**0.0649**	**0.0649**	**0.0000**	**929.2194**	**929.2194**	**0.0178**	**0.0170**	**934.7413**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	741021	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5437	39.5437	7.6000e-004	7.2000e-004	39.7787
High Turnover (Sit Down Restaurant)	1.65547e+007	0.0893	0.8115	0.6817	4.8700e-003		0.0617	0.0617		0.0617	0.0617	0.0000	883.4239	883.4239	0.0169	0.0162	888.6736
Strip Mall	117155	6.3000e-004	5.7400e-003	4.8200e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2518	6.2518	1.2000e-004	1.1000e-004	6.2890
Total		**0.0939**	**0.8536**	**0.7170**	**5.1200e-003**		**0.0649**	**0.0649**		**0.0649**	**0.0649**	**0.0000**	**929.2194**	**929.2194**	**0.0178**	**0.0170**	**934.7413**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	898425	159.3317	0.0135	1.6300e-003	160.1536
High Turnover (Sit Down Restaurant)	3.10999e+006	551.5425	0.0466	5.6400e-003	554.3878

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

Strip Mall	939393	166.5972	0.0141	1.7000e-003	167.4566
Total		**877.4714**	**0.0741**	**8.9700e-003**	**881.9981**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	898425	159.3317	0.0135	1.6300e-003	160.1536
High Turnover (Sit Down Restaurant)	3.10999e+006	551.5425	0.0466	5.6400e-003	554.3878
Strip Mall	939393	166.5972	0.0141	1.7000e-003	167.4566
Total		**877.4714**	**0.0741**	**8.9700e-003**	**881.9981**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Unmitigated	0.8793	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Total	**0.8793**	**2.0000e-005**	**2.7400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3500e-003**	**5.3500e-003**	**1.0000e-005**	**0.0000**	**5.7000e-003**

Mitigated

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3500e-003	5.3500e-003	1.0000e-005	0.0000	5.7000e-003
Total	**0.8793**	**2.0000e-005**	**2.7400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3500e-003**	**5.3500e-003**	**1.0000e-005**	**0.0000**	**5.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	129.4265	1.3104	0.0319	171.6936
Unmitigated	129.4265	1.3104	0.0319	171.6936

7.2 Water by Land Use

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	12.7737 / 7.82906	48.9755	0.4200	0.0103	62.5418
High Turnover (Sit Down Restaurant)	21.815 / 1.39244	60.0399	0.7153	0.0173	83.0868
Strip Mall	5.32359 / 3.26285	20.4111	0.1751	4.2900e-003	26.0650
Total		**129.4265**	**1.3104**	**0.0319**	**171.6935**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	12.7737 / 7.82906	48.9755	0.4200	0.0103	62.5418
High Turnover (Sit Down Restaurant)	21.815 / 1.39244	60.0399	0.7153	0.0173	83.0868
Strip Mall	5.32359 / 3.26285	20.4111	0.1751	4.2900e-003	26.0650
Total		**129.4265**	**1.3104**	**0.0319**	**171.6935**

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	202.4936	11.9670	0.0000	501.6694
Unmitigated	202.4936	11.9670	0.0000	501.6694

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	66.84	13.5679	0.8018	0.0000	33.6139
High Turnover (Sit Down Restaurant)	855.25	173.6080	10.2599	0.0000	430.1065
Strip Mall	75.46	15.3177	0.9053	0.0000	37.9490
Total		**202.4936**	**11.9670**	**0.0000**	**501.6694**

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	66.84	13.5679	0.8018	0.0000	33.6139
High Turnover (Sit Down Restaurant)	855.25	173.6080	10.2599	0.0000	430.1065
Strip Mall	75.46	15.3177	0.9053	0.0000	37.9490
Total		**202.4936**	**11.9670**	**0.0000**	**501.6694**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Annual

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

Equipment Type	Number

11.0 Vegetation

-

335
335

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

ABCSPA - Commercial Alternative

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	71.87	1000sqft	1.65	71,874.00	0
High Turnover (Sit Down Restaurant)	71.87	1000sqft	1.65	71,874.00	0
Strip Mall	71.87	1000sqft	1.65	71,874.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Off-road Equipment Mitigation - SCAQMD Rules

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7214	27.5686	20.1430	0.0406	19.8582	1.2672	21.1254	10.1558	1.1659	11.3217	0.0000	3,986.3933	3,986.3933	1.1972	0.1198	4,038.3562
2024	111.2744	15.0205	19.0507	0.0403	1.0737	0.6251	1.6988	0.2898	0.5880	0.8778	0.0000	3,961.3994	3,961.3994	0.6454	0.1171	4,012.4166
Maximum	**111.2744**	**27.5686**	**20.1430**	**0.0406**	**19.8582**	**1.2672**	**21.1254**	**10.1558**	**1.1659**	**11.3217**	**0.0000**	**3,986.3933**	**3,986.3933**	**1.1972**	**0.1198**	**4,038.3562**

Mitigated Construction

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

2023	2.7214	27.5686	20.1430	0.0406	8.5941	1.2672	9.8613	4.3696	1.1659	5.5354	0.0000	3,986.3933	3,986.3933	1.1972	0.1198	4,038.3561
2024	111.2744	15.0205	19.0507	0.0403	1.0198	0.6251	1.6449	0.2766	0.5880	0.8646	0.0000	3,961.3994	3,961.3994	0.6454	0.1171	4,012.4166
Maximum	**111.2744**	**27.5686**	**20.1430**	**0.0406**	**8.5941**	**1.2672**	**9.8613**	**4.3696**	**1.1659**	**5.5354**	**0.0000**	**3,986.3933**	**3,986.3933**	**1.1972**	**0.1198**	**4,038.3561**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.07**	**0.00**	**49.59**	**55.52**	**0.00**	**47.54**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953
Mobile	28.3802	25.2154	228.6686	0.4267	46.9247	0.3376	47.2623	12.4999	0.3133	12.8132		44,626.6580	44,626.6580	3.8059	2.2681	45,397.6883
Total	**33.7136**	**29.8928**	**232.6194**	**0.4548**	**46.9247**	**0.6932**	**47.6178**	**12.4999**	**0.6688**	**13.1687**		**50,239.2480**	**50,239.2480**	**3.9136**	**2.3710**	**51,043.6339**

Mitigated Operational

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953
Mobile	28.3802	25.2154	228.6686	0.4267	46.9247	0.3376	47.2623	12.4999	0.3133	12.8132		44,626.6580	44,626.6580	3.8059	2.2681	45,397.6883
Total	**33.7136**	**29.8928**	**232.6194**	**0.4548**	**46.9247**	**0.6932**	**47.6178**	**12.4999**	**0.6688**	**13.1687**		**50,239.2480**	**50,239.2480**	**3.9136**	**2.3710**	**51,043.6339**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/2/2023	8/29/2023	5	20	
2	Site Preparation	Site Preparation	8/30/2023	9/5/2023	5	5	
3	Grading	Grading	9/6/2023	9/15/2023	5	8	
4	Building Construction	Building Construction	9/16/2023	8/2/2024	5	230	
5	Paving	Paving	8/3/2024	8/28/2024	5	18	
6	Architectural Coating	Architectural Coating	8/29/2024	9/23/2024	5	18	

Acres of Grading (Site Preparation Phase): 7.5

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 323,433; Non-Residential Outdoor: 107,811; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	76.00	35.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.0516**	**0.0370**	**0.4996**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**143.8840**	**143.8840**	**3.8300e-003**	**3.7000e-003**	**145.0818**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.0516**	**0.0370**	**0.4996**	**1.4100e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**143.8840**	**143.8840**	**3.8300e-003**	**3.7000e-003**	**145.0818**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5996	1.6900e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1200e-003	0.0545		172.6608	172.6608	4.6000e-003	4.4400e-003	174.0982
Total	**0.0619**	**0.0444**	**0.5996**	**1.6900e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1200e-003**	**0.0545**		**172.6608**	**172.6608**	**4.6000e-003**	**4.4400e-003**	**174.0982**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**8.4034**	**1.2660**	**9.6694**	**4.3188**	**1.1647**	**5.4835**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Mitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5996	1.6900e-003	0.1907	1.2100e-003	0.1919	0.0508	1.1200e-003	0.0519		172.6608	172.6608	4.6000e-003	4.4400e-003	174.0982
Total	**0.0619**	**0.0444**	**0.5996**	**1.6900e-003**	**0.1907**	**1.2100e-003**	**0.1919**	**0.0508**	**1.1200e-003**	**0.0519**		**172.6608**	**172.6608**	**4.6000e-003**	**4.4400e-003**	**174.0982**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.0826**	**0.7749**	**7.8575**	**3.4247**	**0.7129**	**4.1377**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

Date: 8/2/2023 2:07 PM

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.0516**	**0.0370**	**0.4996**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**143.8840**	**143.8840**	**3.8300e-003**	**3.7000e-003**	**145.0818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.0278**	**0.7749**	**3.8027**	**1.4641**	**0.7129**	**2.1770**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.0516**	**0.0370**	**0.4996**	**1.4100e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**143.8840**	**143.8840**	**3.8300e-003**	**3.7000e-003**	**145.0818**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.4065	0.5368	6.5300e-003	0.2242	6.8000e-003	0.2310	0.0646	6.5000e-003	0.0711		702.1711	702.1711	0.0234	0.1011	732.8689
Worker	0.2615	0.1874	2.5314	7.1200e-003	0.8495	5.1300e-003	0.8546	0.2253	4.7200e-003	0.2300		729.0123	729.0123	0.0194	0.0187	735.0812
Total	**0.3004**	**1.5940**	**3.0682**	**0.0137**	**1.0737**	**0.0119**	**1.0856**	**0.2898**	**0.0112**	**0.3011**		**1,431.1834**	**1,431.1834**	**0.0428**	**0.1198**	**1,467.9501**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.4065	0.5368	6.5300e-003	0.2146	6.8000e-003	0.2214	0.0622	6.5000e-003	0.0687		702.1711	702.1711	0.0234	0.1011	732.8689
Worker	0.2615	0.1874	2.5314	7.1200e-003	0.8052	5.1300e-003	0.8103	0.2144	4.7200e-003	0.2191		729.0123	729.0123	0.0194	0.0187	735.0812
Total	**0.3004**	**1.5940**	**3.0682**	**0.0137**	**1.0198**	**0.0119**	**1.0317**	**0.2766**	**0.0112**	**0.2878**		**1,431.1834**	**1,431.1834**	**0.0428**	**0.1198**	**1,467.9501**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0376	1.4094	0.5255	6.4200e-003	0.2242	6.8400e-003	0.2310	0.0646	6.5400e-003	0.0711		691.6502	691.6502	0.0235	0.0996	721.9283
Worker	0.2445	0.1673	2.3583	6.9200e-003	0.8495	4.9200e-003	0.8544	0.2253	4.5300e-003	0.2298		714.0503	714.0503	0.0176	0.0174	719.6806
Total	**0.2821**	**1.5768**	**2.8839**	**0.0133**	**1.0737**	**0.0118**	**1.0855**	**0.2898**	**0.0111**	**0.3009**		**1,405.7005**	**1,405.7005**	**0.0411**	**0.1171**	**1,441.6089**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Vendor	0.0376	1.4094	0.5255	6.4200e-003	0.2146	6.8400e-003	0.2215	0.0622	6.5400e-003	0.0687		691.6502	691.6502	0.0235	0.0996	721.9283
Worker	0.2445	0.1673	2.3583	6.9200e-003	0.8052	4.9200e-003	0.8101	0.2144	4.5300e-003	0.2189		714.0503	714.0503	0.0176	0.0174	719.6806
Total	**0.2821**	**1.5768**	**2.8839**	**0.0133**	**1.0198**	**0.0118**	**1.0316**	**0.2766**	**0.0111**	**0.2877**		**1,405.7005**	**1,405.7005**	**0.0411**	**0.1171**	**1,441.6089**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**		**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Unmitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0644	0.0440	0.6206	1.8200e-003	0.2236	1.2900e-003	0.2249	0.0593	1.1900e-003	0.0605		187.9080	187.9080	4.6300e-003	4.5800e-003	189.3896
Total	**0.0644**	**0.0440**	**0.6206**	**1.8200e-003**	**0.2236**	**1.2900e-003**	**0.2249**	**0.0593**	**1.1900e-003**	**0.0605**		**187.9080**	**187.9080**	**4.6300e-003**	**4.5800e-003**	**189.3896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**	**0.0000**	**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Mitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0644	0.0440	0.6206	1.8200e-003	0.2119	1.2900e-003	0.2132	0.0564	1.1900e-003	0.0576		187.9080	187.9080	4.6300e-003	4.5800e-003	189.3896
Total	**0.0644**	**0.0440**	**0.6206**	**1.8200e-003**	**0.2119**	**1.2900e-003**	**0.2132**	**0.0564**	**1.1900e-003**	**0.0576**		**187.9080**	**187.9080**	**4.6300e-003**	**4.5800e-003**	**189.3896**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422
Total	**0.0483**	**0.0330**	**0.4655**	**1.3700e-003**	**0.1677**	**9.7000e-004**	**0.1686**	**0.0445**	**8.9000e-004**	**0.0454**		**140.9310**	**140.9310**	**3.4700e-003**	**3.4400e-003**	**142.0422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0483	0.0330	0.4655	1.3700e-003	0.1589	9.7000e-004	0.1599	0.0423	8.9000e-004	0.0432		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422
Total	**0.0483**	**0.0330**	**0.4655**	**1.3700e-003**	**0.1589**	**9.7000e-004**	**0.1599**	**0.0423**	**8.9000e-004**	**0.0432**		**140.9310**	**140.9310**	**3.4700e-003**	**3.4400e-003**	**142.0422**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	28.3802	25.2154	228.6686	0.4267	46.9247	0.3376	47.2623	12.4999	0.3133	12.8132		44,626.6580	44,626.6580	3.8059	2.2681	45,397.6883
Unmitigated	28.3802	25.2154	228.6686	0.4267	46.9247	0.3376	47.2623	12.4999	0.3133	12.8132		44,626.6580	44,626.6580	3.8059	2.2681	45,397.6883

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	700.01	158.83	50.31	1,707,011	1,707,011
High Turnover (Sit Down Restaurant)	8,062.38	8,796.89	10251.54	11,556,863	11,556,863
Strip Mall	3,185.28	3,021.41	1468.30	5,549,085	5,549,085
Total	11,947.67	11,977.14	11,770.15	18,812,959	18,812,959

4.3 Trip Type Information

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00
Strip Mall	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953
NaturalGas Unmitigated	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953

5.2 Energy by Land Use - NaturalGas

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ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	2030.19	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8464	238.8464	4.5800e-003	4.3800e-003	240.2657
High Turnover (Sit Down Restaurant)	45355.4	0.4891	4.4466	3.7352	0.0267		0.3379	0.3379		0.3379	0.3379		5,335.9350	5,335.9350	0.1023	0.0978	5,367.643
Strip Mall	320.972	3.4600e-003	0.0315	0.0264	1.9000e-004		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003		37.7614	37.7614	7.2000e-004	6.9000e-004	37.9858
Total		**0.5145**	**4.6771**	**3.9288**	**0.0281**		**0.3555**	**0.3555**		**0.3555**	**0.3555**		**5,612.5428**	**5,612.5428**	**0.1076**	**0.1029**	**5,645.895**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	2.03019	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8464	238.8464	4.5800e-003	4.3800e-003	240.2657
High Turnover (Sit Down Restaurant)	45.3554	0.4891	4.4466	3.7352	0.0267		0.3379	0.3379		0.3379	0.3379		5,335.9350	5,335.9350	0.1023	0.0978	5,367.643
Strip Mall	0.320972	3.4600e-003	0.0315	0.0264	1.9000e-004		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003		37.7614	37.7614	7.2000e-004	6.9000e-004	37.9858
Total		**0.5145**	**4.6771**	**3.9288**	**0.0281**		**0.3555**	**0.3555**		**0.3555**	**0.3555**		**5,612.5428**	**5,612.5428**	**0.1076**	**0.1029**	**5,645.895**

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Unmitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Winter

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

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3335

3335

3335

8
3

8
3

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

ABCSPA - Commercial Alternative

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	71.87	1000sqft	1.65	71,874.00	0
High Turnover (Sit Down Restaurant)	71.87	1000sqft	1.65	71,874.00	0
Strip Mall	71.87	1000sqft	1.65	71,874.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Off-road Equipment Mitigation - SCAQMD Rules

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00
tblLandUse	LandUseSquareFeet	71,870.00	71,874.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7171	27.5644	20.1869	0.0410	19.8582	1.2672	21.1254	10.1558	1.1659	11.3217	0.0000	4,025.7843	4,025.7843	1.1971	0.1183	4,077.3068
2024	111.2709	14.9414	19.2397	0.0407	1.0737	0.6250	1.6987	0.2898	0.5879	0.8778	0.0000	3,999.8816	3,999.8816	0.6453	0.1157	4,050.4877
Maximum	**111.2709**	**27.5644**	**20.1869**	**0.0410**	**19.8582**	**1.2672**	**21.1254**	**10.1558**	**1.1659**	**11.3217**	**0.0000**	**4,025.7843**	**4,025.7843**	**1.1971**	**0.1183**	**4,077.3068**

Mitigated Construction

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

2023	2.7171	27.5644	20.1869	0.0410	8.5941	1.2672	9.8613	4.3696	1.1659	5.5354	0.0000	4,025.7843	4,025.7843	1.1971	0.1183	4,077.3068
2024	111.2709	14.9414	19.2397	0.0407	1.0198	0.6250	1.6448	0.2766	0.5879	0.8646	0.0000	3,999.8816	3,999.8816	0.6453	0.1157	4,050.4877
Maximum	**111.2709**	**27.5644**	**20.1869**	**0.0410**	**8.5941**	**1.2672**	**9.8613**	**4.3696**	**1.1659**	**5.5354**	**0.0000**	**4,025.7843**	**4,025.7843**	**1.1971**	**0.1183**	**4,077.3068**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.07**	**0.00**	**49.59**	**55.52**	**0.00**	**47.54**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953
Mobile	29.2378	23.3540	226.3047	0.4450	46.9247	0.3373	47.2620	12.4999	0.3130	12.8129		46,531.6036	46,531.6036	3.6278	2.1672	47,268.1215
Total	**34.5712**	**28.0313**	**230.2555**	**0.4731**	**46.9247**	**0.6929**	**47.6175**	**12.4999**	**0.6686**	**13.1685**		**52,144.1935**	**52,144.1935**	**3.7355**	**2.2701**	**52,914.0671**

Mitigated Operational

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Energy	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953
Mobile	29.2378	23.3540	226.3047	0.4450	46.9247	0.3373	47.2620	12.4999	0.3130	12.8129		46,531.6036	46,531.6036	3.6278	2.1672	47,268.1215
Total	**34.5712**	**28.0313**	**230.2555**	**0.4731**	**46.9247**	**0.6929**	**47.6175**	**12.4999**	**0.6686**	**13.1685**		**52,144.1935**	**52,144.1935**	**3.7355**	**2.2701**	**52,914.0671**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/2/2023	8/29/2023	5	20	
2	Site Preparation	Site Preparation	8/30/2023	9/5/2023	5	5	
3	Grading	Grading	9/6/2023	9/15/2023	5	8	
4	Building Construction	Building Construction	9/16/2023	8/2/2024	5	230	
5	Paving	Paving	8/3/2024	8/28/2024	5	18	
6	Architectural Coating	Architectural Coating	8/29/2024	9/23/2024	5	18	

Acres of Grading (Site Preparation Phase): 7.5

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 323,433; Non-Residential Outdoor: 107,811; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	76.00	35.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

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

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ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.0480**	**0.0335**	**0.5436**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**151.8919**	**151.8919**	**3.7800e-003**	**3.4600e-003**	**153.0181**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.0480**	**0.0335**	**0.5436**	**1.4800e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**151.8919**	**151.8919**	**3.7800e-003**	**3.4600e-003**	**153.0181**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6523	1.7800e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1200e-003	0.0545		182.2703	182.2703	4.5400e-003	4.1500e-003	183.6218
Total	**0.0576**	**0.0402**	**0.6523**	**1.7800e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1200e-003**	**0.0545**		**182.2703**	**182.2703**	**4.5400e-003**	**4.1500e-003**	**183.6218**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**8.4034**	**1.2660**	**9.6694**	**4.3188**	**1.1647**	**5.4835**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Mitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6523	1.7800e-003	0.1907	1.2100e-003	0.1919	0.0508	1.1200e-003	0.0519		182.2703	182.2703	4.5400e-003	4.1500e-003	183.6218
Total	**0.0576**	**0.0402**	**0.6523**	**1.7800e-003**	**0.1907**	**1.2100e-003**	**0.1919**	**0.0508**	**1.1200e-003**	**0.0519**		**182.2703**	**182.2703**	**4.5400e-003**	**4.1500e-003**	**183.6218**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.0826**	**0.7749**	**7.8575**	**3.4247**	**0.7129**	**4.1377**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

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ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.0480**	**0.0335**	**0.5436**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**151.8919**	**151.8919**	**3.7800e-003**	**3.4600e-003**	**153.0181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.0278**	**0.7749**	**3.8027**	**1.4641**	**0.7129**	**2.1770**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1589	1.0100e-003	0.1599	0.0423	9.3000e-004	0.0433		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.0480**	**0.0335**	**0.5436**	**1.4800e-003**	**0.1589**	**1.0100e-003**	**0.1599**	**0.0423**	**9.3000e-004**	**0.0433**		**151.8919**	**151.8919**	**3.7800e-003**	**3.4600e-003**	**153.0181**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.3434	0.5205	6.5100e-003	0.2242	6.7500e-003	0.2309	0.0646	6.4600e-003	0.0710		700.9887	700.9887	0.0235	0.1008	731.6089
Worker	0.2434	0.1697	2.7540	7.5200e-003	0.8495	5.1300e-003	0.8546	0.2253	4.7200e-003	0.2300		769.5857	769.5857	0.0192	0.0175	775.2919
Total	**0.2837**	**1.5131**	**3.2745**	**0.0140**	**1.0737**	**0.0119**	**1.0856**	**0.2898**	**0.0112**	**0.3010**		**1,470.5744**	**1,470.5744**	**0.0427**	**0.1183**	**1,506.9007**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.3434	0.5205	6.5100e-003	0.2146	6.7500e-003	0.2214	0.0622	6.4600e-003	0.0687		700.9887	700.9887	0.0235	0.1008	731.6089
Worker	0.2434	0.1697	2.7540	7.5200e-003	0.8052	5.1300e-003	0.8103	0.2144	4.7200e-003	0.2191		769.5857	769.5857	0.0192	0.0175	775.2919
Total	**0.2837**	**1.5131**	**3.2745**	**0.0140**	**1.0198**	**0.0119**	**1.0317**	**0.2766**	**0.0112**	**0.2878**		**1,470.5744**	**1,470.5744**	**0.0427**	**0.1183**	**1,506.9007**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0391	1.3462	0.5094	6.4100e-003	0.2242	6.8000e-003	0.2310	0.0646	6.5000e-003	0.0711		690.4611	690.4611	0.0236	0.0994	720.6640
Worker	0.2268	0.1515	2.5635	7.3100e-003	0.8495	4.9200e-003	0.8544	0.2253	4.5300e-003	0.2298		753.7216	753.7216	0.0173	0.0163	759.0161
Total	**0.2659**	**1.4977**	**3.0728**	**0.0137**	**1.0737**	**0.0117**	**1.0854**	**0.2898**	**0.0110**	**0.3009**		**1,444.1827**	**1,444.1827**	**0.0409**	**0.1157**	**1,479.6801**

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Vendor	0.0391	1.3462	0.5094	6.4100e-003	0.2146	6.8000e-003	0.2214	0.0622	6.5000e-003	0.0687		690.4611	690.4611	0.0236	0.0994	720.6640
Worker	0.2268	0.1515	2.5635	7.3100e-003	0.8052	4.9200e-003	0.8101	0.2144	4.5300e-003	0.2189		753.7216	753.7216	0.0173	0.0163	759.0161
Total	**0.2659**	**1.4977**	**3.0728**	**0.0137**	**1.0198**	**0.0117**	**1.0315**	**0.2766**	**0.0110**	**0.2877**		**1,444.1827**	**1,444.1827**	**0.0409**	**0.1157**	**1,479.6801**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**		**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Unmitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0597	0.0399	0.6746	1.9200e-003	0.2236	1.2900e-003	0.2249	0.0593	1.1900e-003	0.0605		198.3478	198.3478	4.5600e-003	4.2900e-003	199.7411
Total	**0.0597**	**0.0399**	**0.6746**	**1.9200e-003**	**0.2236**	**1.2900e-003**	**0.2249**	**0.0593**	**1.1900e-003**	**0.0605**		**198.3478**	**198.3478**	**4.5600e-003**	**4.2900e-003**	**199.7411**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8814**	**8.2730**	**12.2210**	**0.0189**		**0.3987**	**0.3987**		**0.3685**	**0.3685**	**0.0000**	**1,805.6205**	**1,805.6205**	**0.5673**		**1,819.8039**

Mitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0597	0.0399	0.6746	1.9200e-003	0.2119	1.2900e-003	0.2132	0.0564	1.1900e-003	0.0576		198.3478	198.3478	4.5600e-003	4.2900e-003	199.7411
Total	**0.0597**	**0.0399**	**0.6746**	**1.9200e-003**	**0.2119**	**1.2900e-003**	**0.2132**	**0.0564**	**1.1900e-003**	**0.0576**		**198.3478**	**198.3478**	**4.5600e-003**	**4.2900e-003**	**199.7411**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058
Total	**0.0448**	**0.0299**	**0.5060**	**1.4400e-003**	**0.1677**	**9.7000e-004**	**0.1686**	**0.0445**	**8.9000e-004**	**0.0454**		**148.7609**	**148.7609**	**3.4200e-003**	**3.2200e-003**	**149.8058**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	111.0453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**111.2261**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

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

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0299	0.5060	1.4400e-003	0.1589	9.7000e-004	0.1599	0.0423	8.9000e-004	0.0432		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058
Total	**0.0448**	**0.0299**	**0.5060**	**1.4400e-003**	**0.1589**	**9.7000e-004**	**0.1599**	**0.0423**	**8.9000e-004**	**0.0432**		**148.7609**	**148.7609**	**3.4200e-003**	**3.2200e-003**	**149.8058**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	29.2378	23.3540	226.3047	0.4450	46.9247	0.3373	47.2620	12.4999	0.3130	12.8129		46,531.6036	46,531.6036	3.6278	2.1672	47,268.1215
Unmitigated	29.2378	23.3540	226.3047	0.4450	46.9247	0.3373	47.2620	12.4999	0.3130	12.8129		46,531.6036	46,531.6036	3.6278	2.1672	47,268.1215

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	700.01	158.83	50.31	1,707,011	1,707,011
High Turnover (Sit Down Restaurant)	8,062.38	8,796.89	10251.54	11,556,863	11,556,863
Strip Mall	3,185.28	3,021.41	1468.30	5,549,085	5,549,085
Total	11,947.67	11,977.14	11,770.15	18,812,959	18,812,959

4.3 Trip Type Information

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00
High Turnover (Sit Down Restaurant)	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00
Strip Mall	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.00

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953
NaturalGas Unmitigated	0.5145	4.6771	3.9288	0.0281		0.3555	0.3555		0.3555	0.3555		5,612.5428	5,612.5428	0.1076	0.1029	5,645.8953

5.2 Energy by Land Use - NaturalGas

Date: 8/2/2023 2:05 PM

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
General Office Building	2030.19	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8464	238.8464	4.5800e-003	4.3800e-003	240.2657
High Turnover (Sit Down Restaurant)	45355.4	0.4891	4.4466	3.7352	0.0267		0.3379	0.3379		0.3379	0.3379		5,335.9350	5,335.9350	0.1023	0.0978	5,367.643
Strip Mall	320.972	3.4600e-003	0.0315	0.0264	1.9000e-004		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003		37.7614	37.7614	7.2000e-004	6.9000e-004	37.9858
Total		**0.5145**	**4.6771**	**3.9288**	**0.0281**		**0.3555**	**0.3555**		**0.3555**	**0.3555**		**5,612.5428**	**5,612.5428**	**0.1076**	**0.1029**	**5,645.895**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
General Office Building	2.03019	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8464	238.8464	4.5800e-003	4.3800e-003	240.2657
High Turnover (Sit Down Restaurant)	45.3554	0.4891	4.4466	3.7352	0.0267		0.3379	0.3379		0.3379	0.3379		5,335.9350	5,335.9350	0.1023	0.0978	5,367.643
Strip Mall	0.320972	3.4600e-003	0.0315	0.0264	1.9000e-004		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003		37.7614	37.7614	7.2000e-004	6.9000e-004	37.9858
Total		**0.5145**	**4.6771**	**3.9288**	**0.0281**		**0.3555**	**0.3555**		**0.3555**	**0.3555**		**5,612.5428**	**5,612.5428**	**0.1076**	**0.1029**	**5,645.895**

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Unmitigated	4.8190	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0472	0.0472	1.2000e-004		0.0503
Total	**4.8190**	**2.0000e-004**	**0.0220**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0472**	**0.0472**	**1.2000e-004**		**0.0503**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

ABCSPA - Commercial Alternative - Los Angeles-South Coast County, Summer

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

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3335

3335

3335

8
3

8
3